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CONTACTS:

CITY OF TORRANCE
3031 TORRANCE BLVD.
TORRANCE, CA 90503
PH. 310.781.7162
FX. 310.781.7199
CONTACT: JOHN LANDIS
MICHAEL SIMONEAU

IRRIGATION CONSULTANT

SWEENEY AND ASSOCIATES
321 N. RAMPART STREET, SUITE 209
ORANGE, CA *92868
PH. 714.938.0456
CONTACT: CHRIS CURRY

Underground Service Alert
Call: TOLL FREE
1-800
227-2600

TWO WORKING DAYS BEFORE YOU DIG
"CAUTION": Remember that the USA Center notifies only those utilities belonging to the center. There could be other utilities present at a work site. The center will inform you of whom they will notify.

LEAVE A 1M (3') LENGTH OF SLACK "TWO-WIRE PATH" IN THE BOX TO ALLOW THE WIRE CONNECTIONS TO BE REMOVED FROM BOX FOR MAINTENANCE

WHEN USING AN DECODER, HEAT BRAND "TW-D" ONTO THE VALVE BOX COVER.

TUCOR DECODER, WHERE INDICATED ON THE DRAWINGS, ROUTE THE GROUND WIRE TO A GROUNDING PLATE AS SHOWN

BLUE

RED

BLACK

BLACK COLORED WIRE PAIR, CONNECT TO RCV CONTROL WIRES

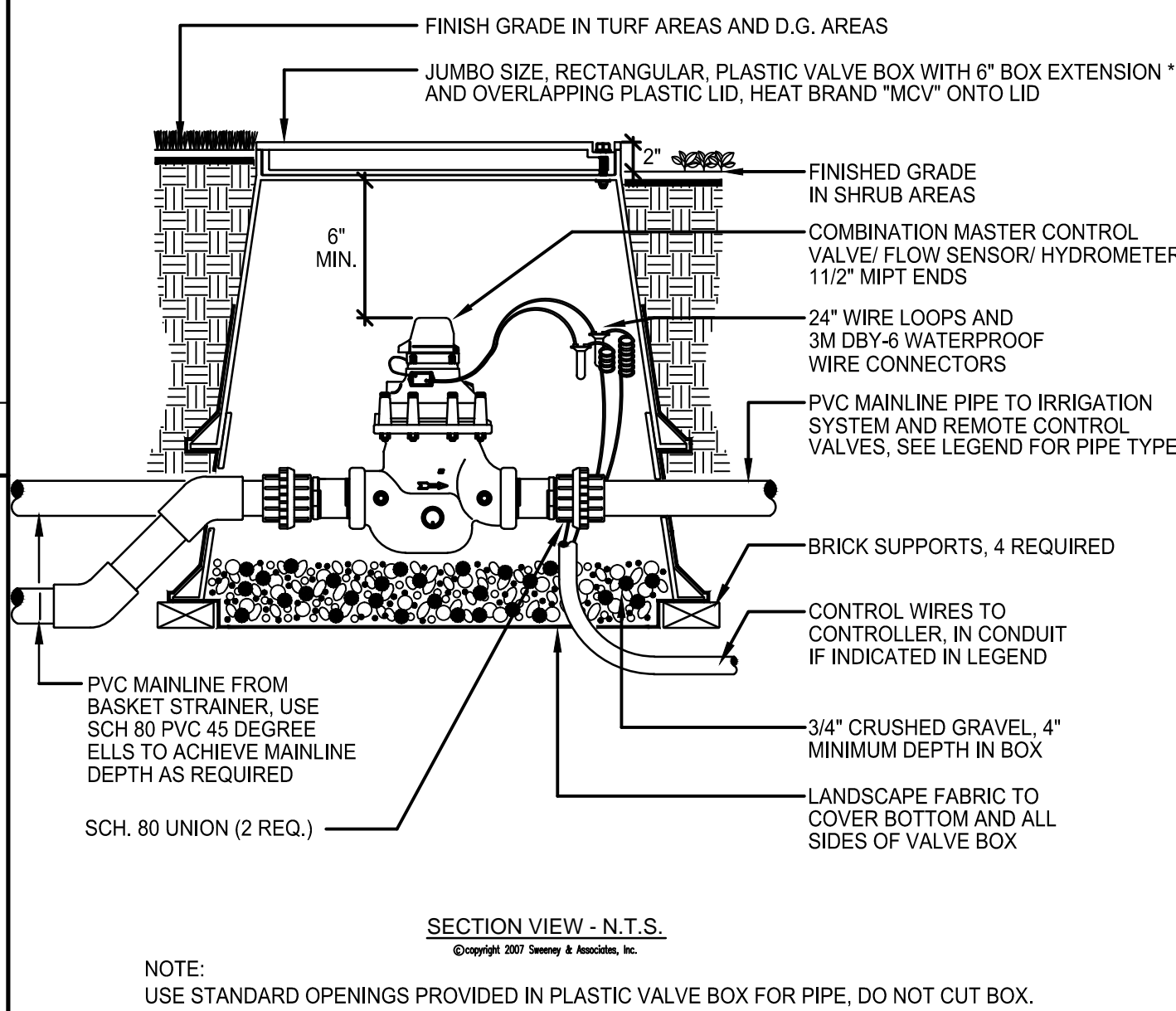
3M DBY-6 WATERPROOF WIRE CONNECTORS, FOR ALL SPLICES (EXCEPT FOR GROUND CONNECTION), QUANTITY AS REQUIRED.

VALVE SHOWN OFFSET IN BOX FOR CLARITY, SEE CONTROL VALVE DETAIL FOR RCV INSTALLATION REQUIREMENTS

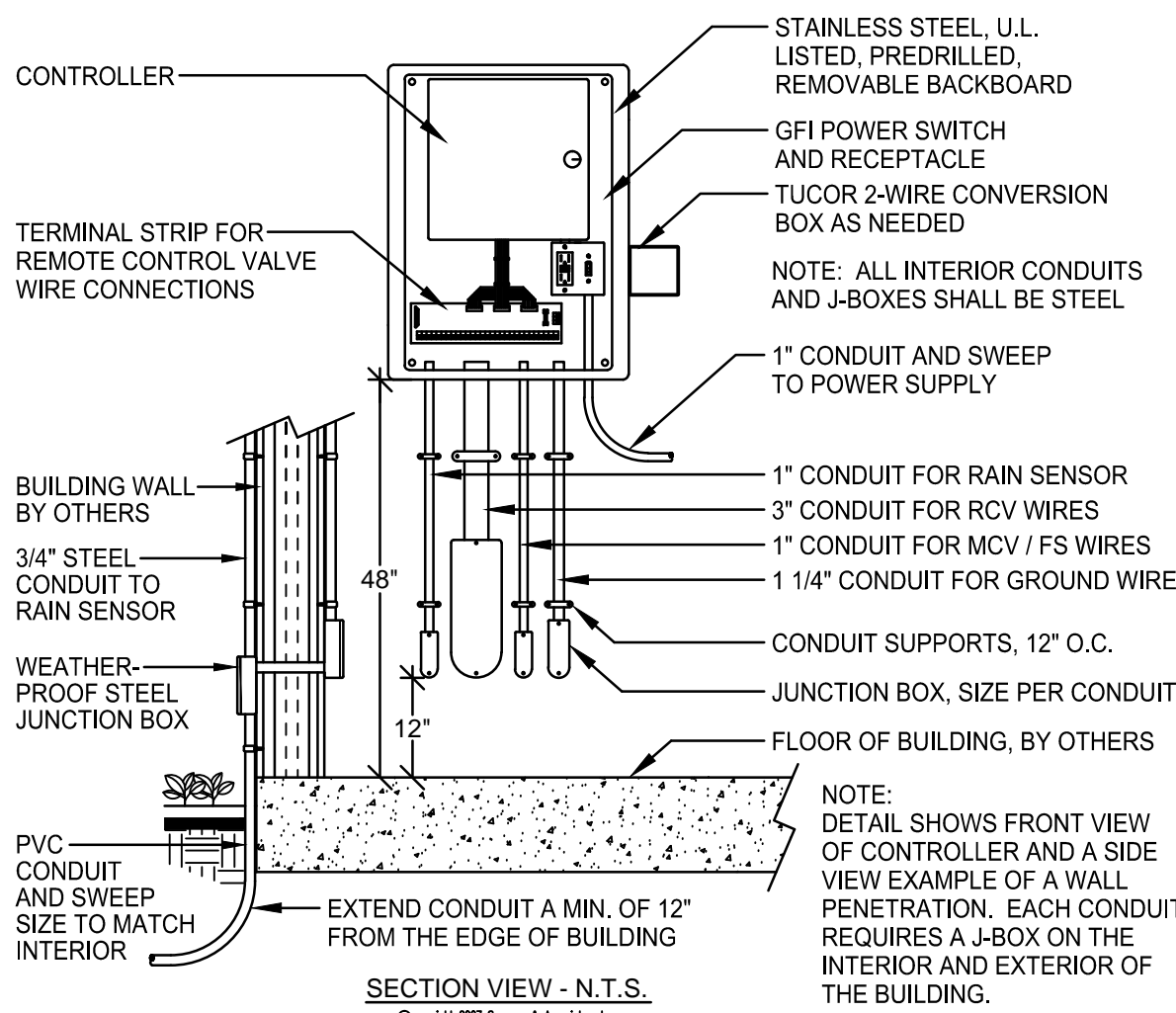
#10 AWG BARE GROUND WIRE TO THE GROUNDING PLATE, USE DBR-6 WIRE CONNECTOR

SECTION VIEW - N.T.S.

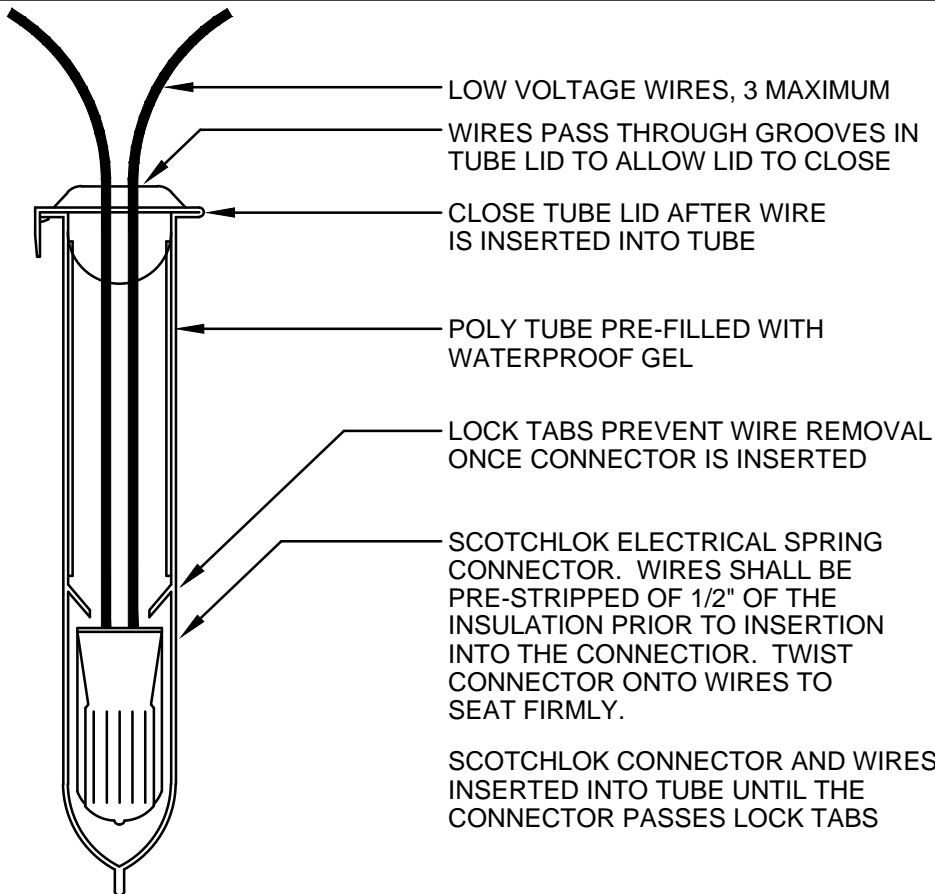
NOTE:
SEE DRAWINGS AND LEGEND FOR DECODER TYPE REQUIRED FOR EACH RCV.
SEE LEGEND FOR "TWO-WIRE PATH" WIRE AND JACKET SPECIFICATION.
SEE LEGEND FOR CONTROL REQUIREMENTS FOR THE "TWO-WIRE PATH".



**A MASTER CONTROL VALVE/
FLOW SENSOR/HYDROMETER**

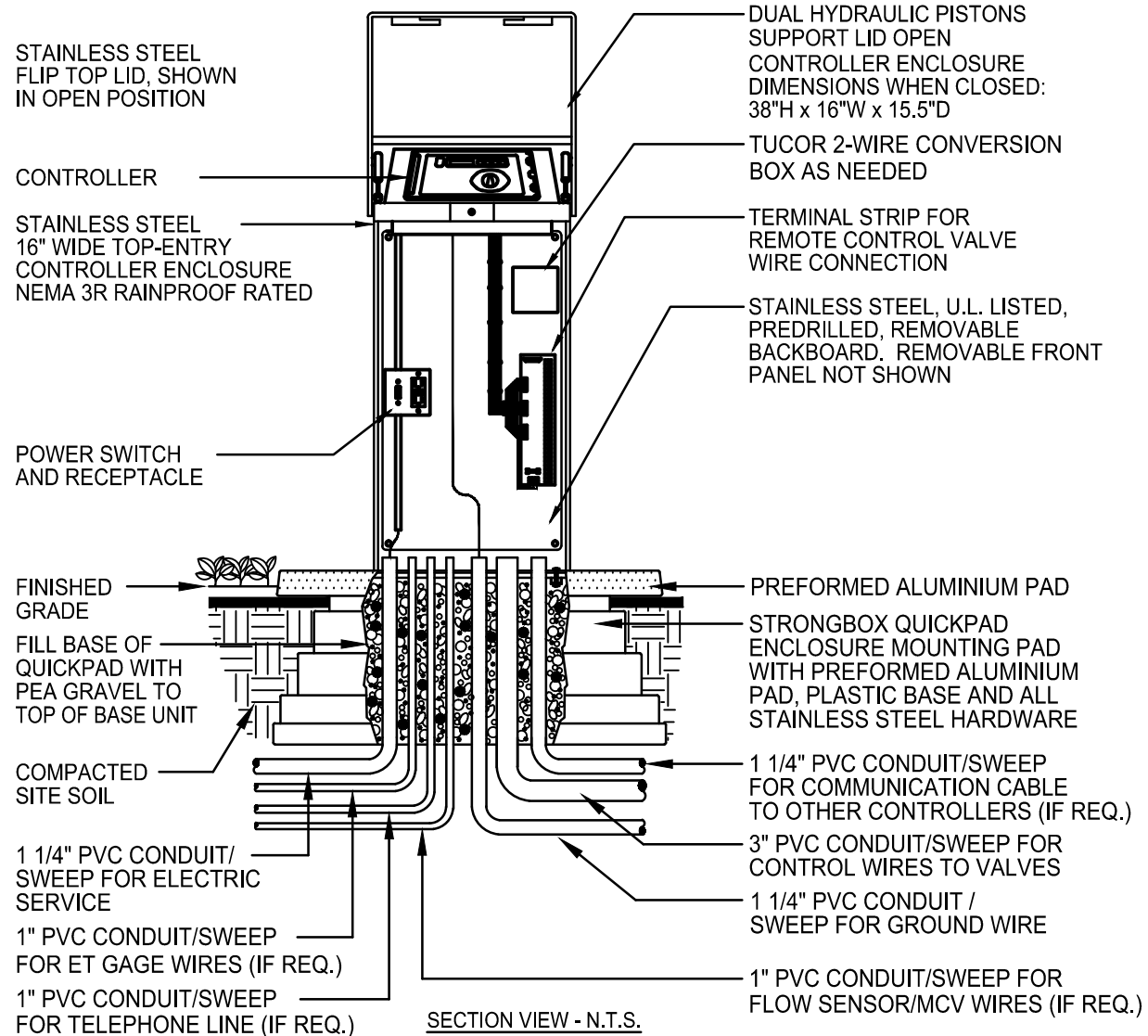


B) CONTROLLER ENCLOSURE

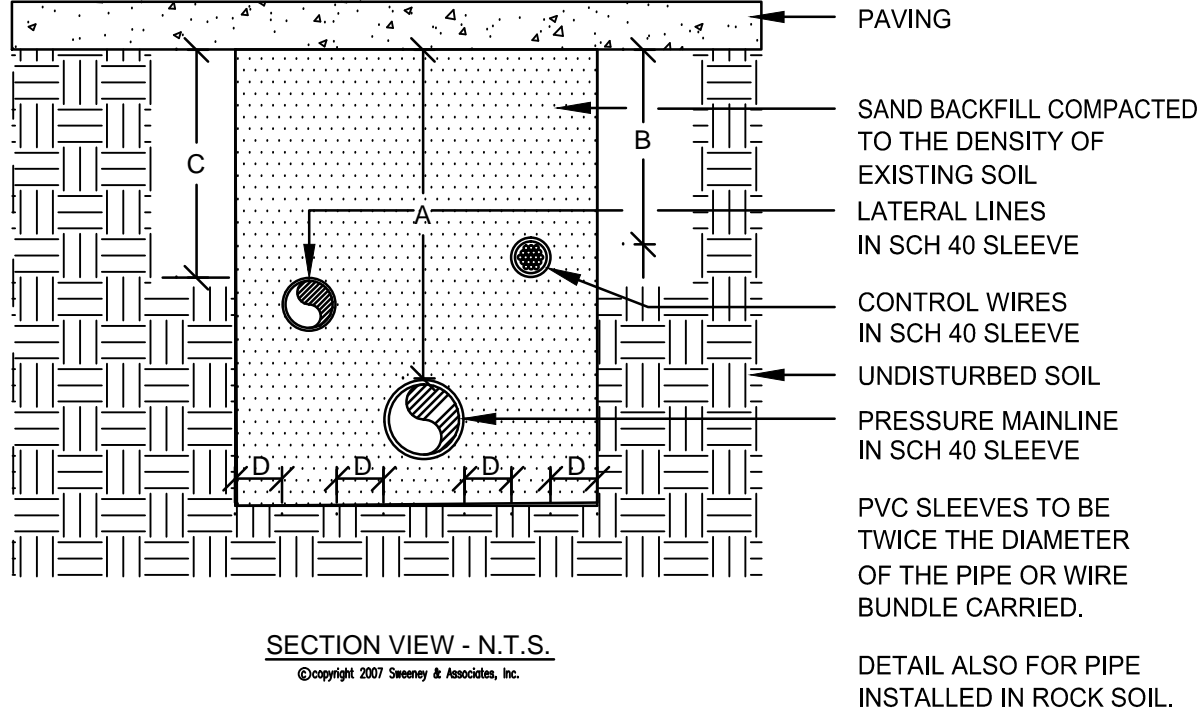


NOTE:
WIRE CONNECTOR SHALL BE A 3M DBR/Y-6 DIRECT BURY SPlice KIT (U.L. APPROVED).
KIT SHALL INCLUDE A SCOTCHLOCK Y SPRING CONNECTOR, A POLYPROPYLENE TUBE AND A
WATERPROOF SEALING GEL. TUBE SHALL BE SUPPLIED PREFILLED WITH GEL.
DIRECT BURY SPlice KIT SHALL BE USED TO ELECTRICALLY CONNECT 2 - #14 OR
#12 PRE-STRIPPED COPPER WIRES. LARGER WIRES OR GREATER QUANTITIES OF
WIRES SHALL REQUIRE A LARGER APPROVED WIRE CONNECTION.

SECTION VIEW - N.T.S.



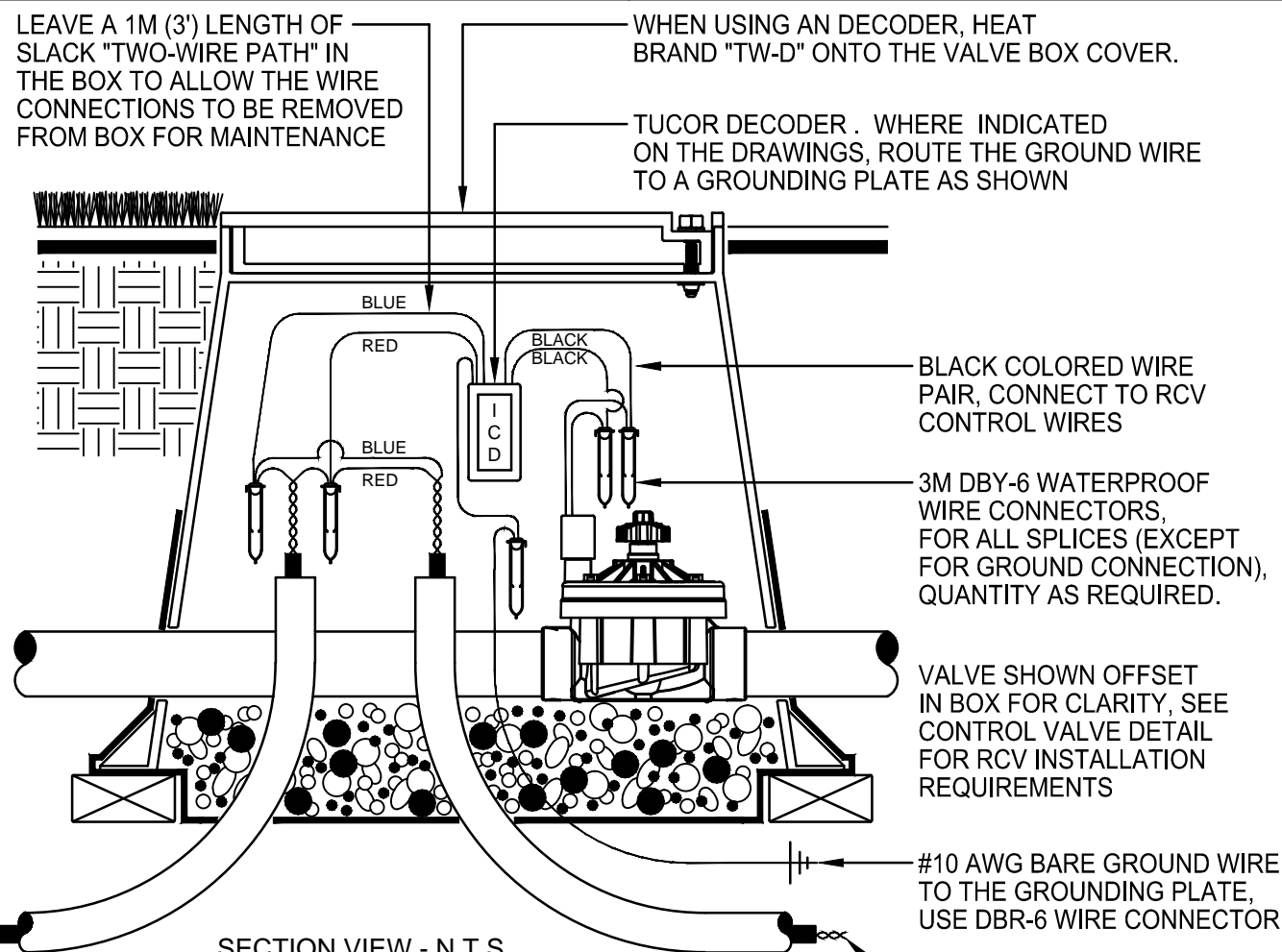
(C) CONTROLLER ENCLOSURE



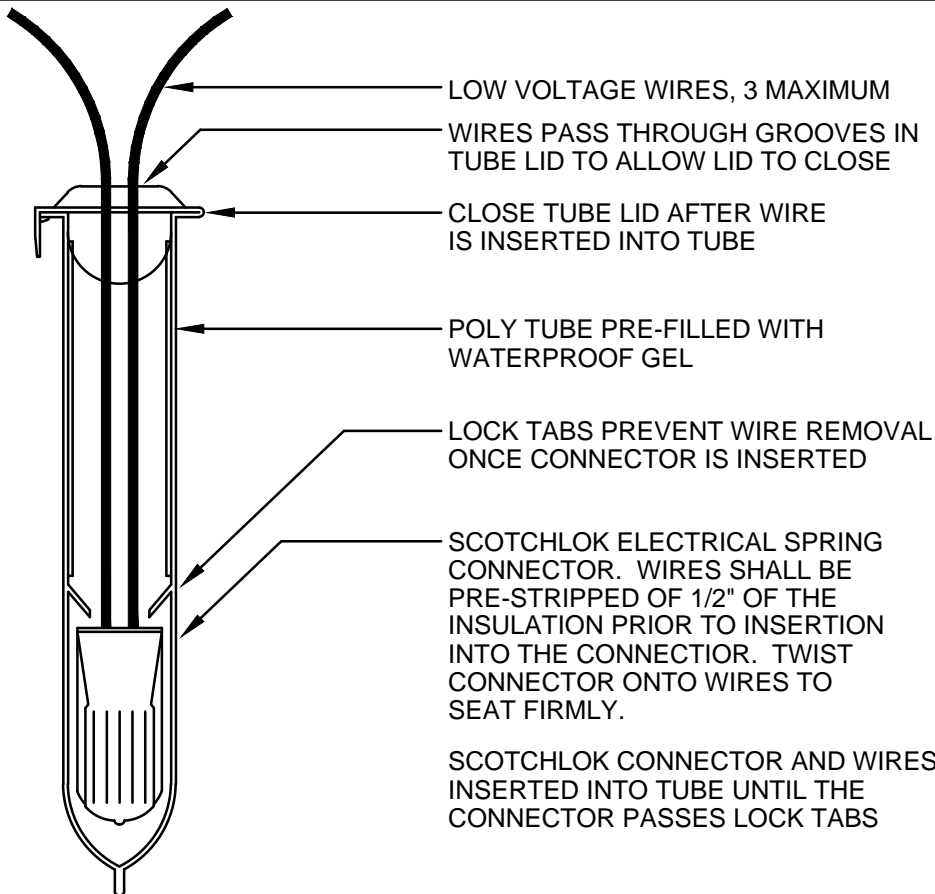
NOTE:
NO SAW CUTTING THROUGH ANY RUBBERIZED SURFACES.

NOTE:
NO SAW CUTTING THROUGH ANY RUBBERIZED SURFACES.

PIPE CONDUIT SLEEVING



(E) DECODER WIRING/CONNECTORS



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WIRE CONNECTOR SHALL BE A 3M DBR/Y-6 DIRECT BURY SPlice KIT (U.L. APPROVED).
KIT SHALL INCLUDE A SCOTCHLOCK Y SPRING CONNECTOR, A POLYPROPYLENE TUBE AND A
WATERPROOF SEALING GEL. TUBE SHALL BE SUPPLIED PREFILLED WITH GEL.
DIRECT BURY SPlice KIT SHALL BE USED TO ELECTRICALLY CONNECT 2 - #14 OR
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WIRES SHALL REQUIRE A LARGER APPROVED WIRE CONNECTION.

WIRE CONNECTION



ET TITLE:

TITLE
LEGEND/DETAILS
SHEET

CLIENT: **CENTRAL CONTROL
RETROFIT**
City of Torrance
3031 Torrance Blvd.
Torrance, CA 90503

REVISIONS

DRAWN	S+
APPROVED	C
PLOT DATE	04-08-2011
JOB NO.	COT-001
DATE	04-08-2011
SCALE	N.T.

TITLE SHEET

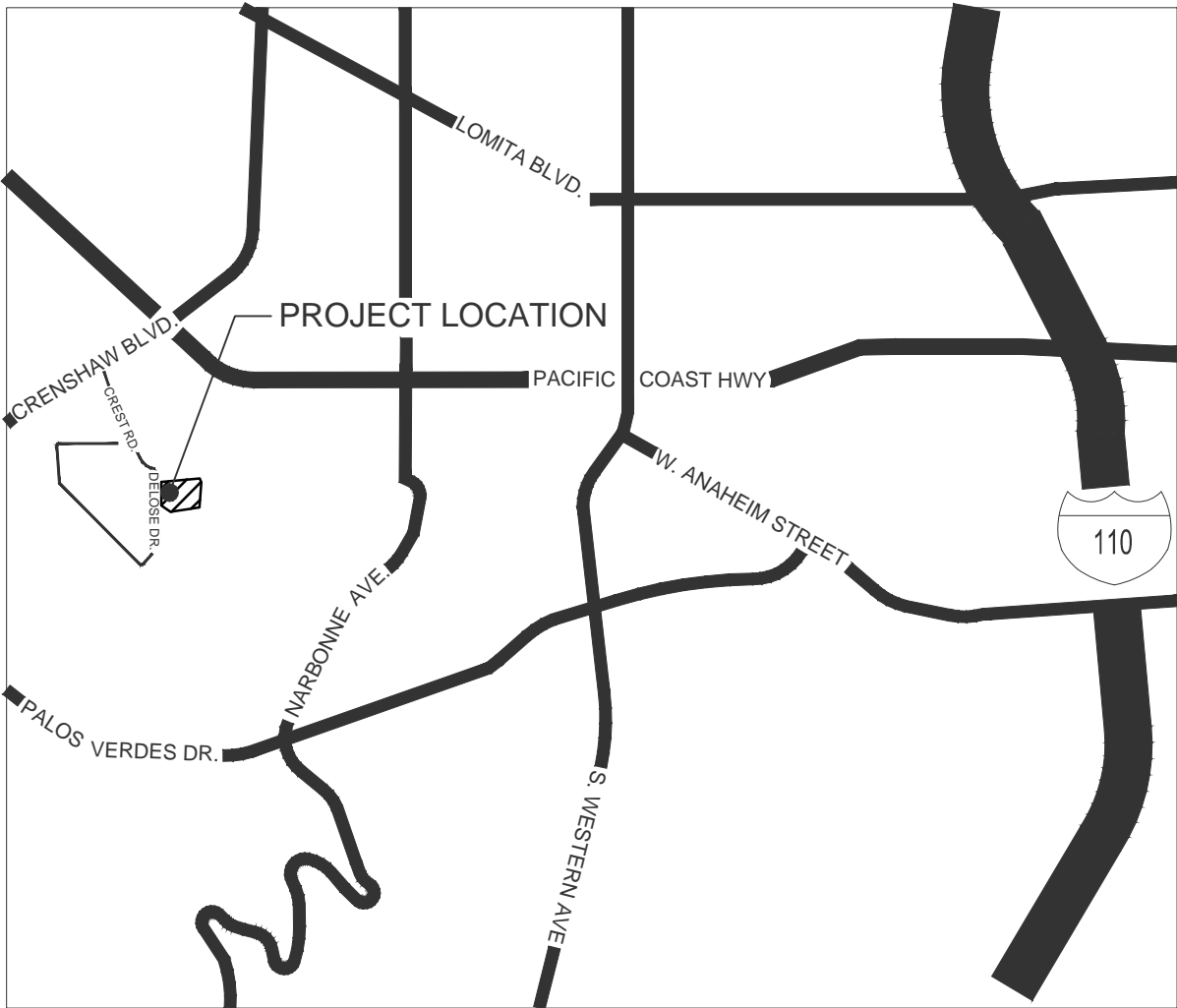
DELOSE DRIVE



IRRIGATION PLAN
SCALE: 1" = 16'-0"
CONTRACTOR SHALL FIELD VERIFY ALL
MEASUREMENTS AND EXISTING
CONDITIONS PRIOR TO BIDDING



VICINITY MAP
SCALE: N.T.S.



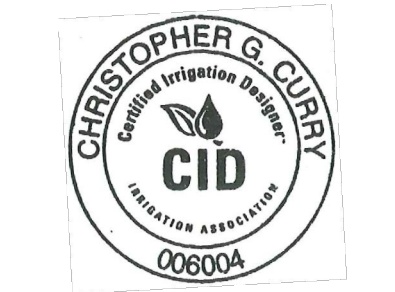
IRRIGATION NOTES

1. ALL LOCAL MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE.
3. THE CONTRACTOR SHALL OBTAIN THE PERTINENT ENGINEERING OR ARCHITECTURAL PLANS BEFORE BEGINNING WORK.
4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK.
5. THIS DESIGN IS DIAGRAMMATIC. ALL EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN PLANTING AREAS.
6. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK OR THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED NECESSARY BY THE OWNER.
7. INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH LOCAL CITY, COUNTY AND STATE REQUIREMENTS FOR BOTH EQUIPMENT AND INSTALLATION.
8. ALL PIPE UNDER PAVED AREAS TO BE INSTALLED IN SLEEVING TWICE THE DIAMETER OF THE PIPE CARRIED. SEE LEGEND FOR TYPE. ALL WIRE UNDER PAVED AREAS TO BE INSTALLED IN A SCH. 40 SLEEVE THE SIZE REQUIRED TO EASILY PULL WIRE THROUGH. ALL SLEEVES TO BE INSTALLED WITH A MINIMUM DEPTH AS SHOWN ON THE SLEEVING DETAILS. SLEEVES TO EXTEND AT LEAST 12' PAST THE EDGE OF THE PAVING.
9. THE CONTRACTOR SHALL USE PROPER GROUNDING TECHNIQUES FOR GROUNDING THE CONTROLLER AND RELATED EQUIPMENT PER MANUFACTURERS SPECIFICATIONS. SWEENEY AND ASSOCIATES RECOMMENDS MEASURING FOR PROPER GROUND AT LEAST ONCE ANNUALLY, AND NECESSARY ADJUSTMENTS MADE TO COMPLY WITH MANUFACTURER SPECIFICATIONS.

NOTE A:
POINT OF CONNECTION SHALL BE DOWN STREAM OF EXISTING IRRIGATION CONNECTION. HYDROMETER SHALL BE 2" IN SIZE AND BE INSTALLED UPSTREAM OF FIRST RCV. VERIFY THE ACTUAL LOCATION IN THE FIELD PRIOR TO STARTING WORK. IF ANY OF THE POC INFORMATION SHOWN ON THESE DRAWING IS FOUND TO BE DIFFERENT THAN THE ACTUAL POC INFORMATION GATHERED IN THE FIELD, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT AND IRRIGATION CONSULTANT.

NOTE B:
CONTROLLER SHALL BE A 24 STATION CONTROLLER INSTALLED IN A STAINLESS STEEL WALL MOUNTED ENCLOSURE WITHIN BUILDING (SEE LEGEND FOR MODEL #). FINAL LOCATION OF CONTROLLER AND ELECTRICAL POC SHALL BE CONFIRMED WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

sweeney + associates
IRRIGATION DESIGN AND CONSULTING
38730 Sky Canyon Drive, Suite C
Murrieta, Ca 92563
e: info@sweeneyassoc.com t: (951) 461-6830
w: www.sweeneyassoc.com f: (951) 461-6830



SHEET TITLE:
IRRIGATION
PLAN

PROJECT/CLIENT:
ALTA LOMA
City of Torrance
26126 DELOSE DRIVE
TORRANCE, CA 90505

REVISIONS

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IRRIGATION
PLAN



NOTE 1:
EXISTING SOLAR CONTROLLER
TO BE REMOVED. RUN 8
CONTROL WIRES AND ONE
COMMON WIRE FROM NEW
CONTROLLER 'A' TO THIS
LOCATION. DISCONNECT
EXISTING CONTROL WIRES
FROM EXISTING CONTROLLER
AND CONNECT TO NEW WIRES
FROM CONTROLLER 'A' FOR
THE CONTINUED USE OF
EXISTING IRRIGATION
CONTROL VALVES. INSTALL
WIRE CONNECTIONS WITHIN A
10" ROUND SPLICE BOX.

CONNECT TO EXISTING MAINLINE
AT THIS APPROXIMATE LOCATION

POINT OF CONNECTION;
REFER TO NOTE 'A' BELOW RIGHT

CONTROLLER 'A' LOCATION;
REFER TO NOTE 'B' BELOW
CONTROLLER 'B' LOCATION;
REFER TO NOTE 'B' BELOW

IRRIGATION CONTROL WIRE RUN;
REFER TO NOTE 1 AT LEFT

CONTRACTOR MUST STAY OFF
RENOVATED SOCCER FIELDS - TYPICAL

IRRIGATION CONTROL WIRE RUN;
REFER TO NOTE 2 BELOW

NOTE 2:
EXISTING SOLAR CONTROLLER
TO BE REMOVED. RUN 6
CONTROL WIRES AND ONE
COMMON WIRE FROM NEW
CONTROLLER 'A' TO THIS
LOCATION. DISCONNECT
EXISTING CONTROL WIRES
FROM EXISTING CONTROLLER
AND CONNECT TO NEW WIRES
FROM CONTROLLER 'A' FOR
THE CONTINUED USE OF
EXISTING IRRIGATION
CONTROL VALVES. INSTALL
WIRE CONNECTIONS WITHIN A
10" ROUND SPLICE BOX.

IRRIGATION CONTROL WIRE RUN;
REFER TO NOTE 3 BELOW

NOTE 3:
EXISTING SOLAR CONTROLLER
TO BE REMOVED. RUN 6
CONTROL WIRES AND ONE
COMMON WIRE FROM NEW
CONTROLLER 'B' TO THIS
LOCATION. DISCONNECT
EXISTING CONTROL WIRES
FROM EXISTING CONTROLLER
AND CONNECT TO NEW WIRES
FROM CONTROLLER 'B' FOR
THE CONTINUED USE OF
EXISTING IRRIGATION
CONTROL VALVES. INSTALL
WIRE CONNECTIONS WITHIN A
10" ROUND SPLICE BOX.

IRRIGATION CONTROL WIRE RUN;
REFER TO NOTE 4 BELOW

CONTRACTOR MUST STAY OFF
RENOVATED SOCCER FIELDS - TYPICAL

NOTE 4:
EXISTING CONTROLLER TO BE
REMOVED. RUN 36 CONTROL
WIRES AND ONE COMMON WIRE
FROM NEW CONTROLLER 'B' TO
THIS LOCATION. DISCONNECT
EXISTING CONTROL WIRES FROM
EXISTING CONTROLLER AND
CONNECT TO NEW WIRES FROM
CONTROLLER 'B' FOR THE
CONTINUED USE OF EXISTING
IRRIGATION CONTROL VALVES.
INSTALL WIRE CONNECTIONS
WITHIN A 10" ROUND SPLICE BOX.

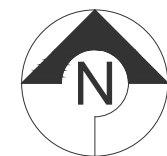
CONTROLLERS 'D' & 'E'
LOCATION;
REFER TO NOTE 'B' BELOW

CONTROLLER 'C' LOCATION;
REFER TO NOTE 'B' BELOW

NOTE A:
POINT OF CONNECTION SHALL BE DOWN STREAM OF EXISTING IRRIGATION
CONNECTION. HYDROMETER SHALL BE 3" IN SIZE AND BE INSTALLED UPSTREAM
OF FIRST RCV. VERIFY THE ACTUAL LOCATION IN THE FIELD PRIOR TO STARTING
WORK. IF ANY OF THE POC INFORMATION SHOWN ON THESE DRAWINGS IS FOUND
TO BE DIFFERENT THAN THE ACTUAL POC INFORMATION GATHERED IN THE
FIELD, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT AND IRRIGATION
CONSULTANT.

NOTE B:
ALL EXISTING CONTROLLERS SHALL BE REMOVED AND TURNED OVER TO THE OWNER'S
AUTHORIZED REPRESENTATIVE. CONTRACTOR SHALL REMOVE THE FOUR EXISTING
CONTROLLERS SOLAR CONTROLLERS AT THE LOCATIONS SHOWN ON THE PLAN AND
TURN OVER THE CITY. NEW CONTROLLERS 'A' & 'B' SHALL BE A 48 STATION
CONTROLLERS INSTALLED IN STAINLESS STEEL PEDESTAL ENCLOSURES (SEE LEGEND
FOR MODEL #). CONTROLLER 'C' SHALL BE A NEW 24 STATION CONTROLLER INSTALLED
IN A STAINLESS STEEL PEDESTAL ENCLOSURE. CONTRACTOR SHALL ALSO REMOVE
THE FOUR (4) EXISTING CONTROLLERS WITHIN THE BUILDING AND REPLACE WITH NEW
CONTROLLERS 'D' & 'E'. CONTROLLERS 'D' & 'E' SHALL BE NEW 48 STATION
CONTROLLERS INSTALLED IN A STAINLESS STEEL WALL MOUNTED ENCLOSURES WITHIN
BUILDING (SEE LEGEND FOR MODEL #). FINAL LOCATION OF CONTROLLER AND
ELECTRICAL POC SHALL BE CONFIRMED WITH OWNER'S AUTHORIZED REPRESENTATIVE
PRIOR TO STARTING WORK.

NOTE C:
COLUMBIA PARK HAS A COPPER MESH GROUNDING SYSTEM THROUGHOUT THE ENTIRE
WEST SIDE OF THE PARK. CONTRACTOR SHALL CONTACT CBS FOR INFORMATION AND
INSTRUCTIONS REGARDING TRENCHING/BORING AT THE WEST SIDE OF THE PARK.



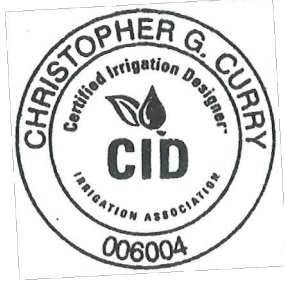
IRRIGATION PLAN

SCALE: 1/64" = 1'-0"

CONTRACTOR SHALL FIELD VERIFY ALL
MEASUREMENTS AND EXISTING
CONDITIONS PRIOR TO BIDDING

sweeney + associates
IRRIGATION DESIGN AND CONSULTING

38730 Sky Canyon Drive, Suite C
Murrieta, Ca 92563
e: info@sweeneyassoc.com | t: (951) 461-0850
w: www.sweeneyassoc.com | f: (951) 461-0850



SHEET TITLE:

IRRIGATION PLAN

PROJECT/CLIENT:

COLUMBIA PARK
City of Torrance
4045 190th Street
TORRANCE, CA 90504

REVISIONS



DRAWN

SH

APPROVED

CS

PLOT DATE

04-26-2019

JOB NO.

COT-001

DATE

04-26-2019

SCALE

SEE PLAN

IRRIGATION PLAN

IRRIGATION PLAN

COLUMBIA PARK
City of Torrance
4045 190th Street
TORRANCE, CA 90504

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DATE 04-26-2011

O. COT-00

SEE PAGE 10

IRRIGATION

PLAN

PLAN

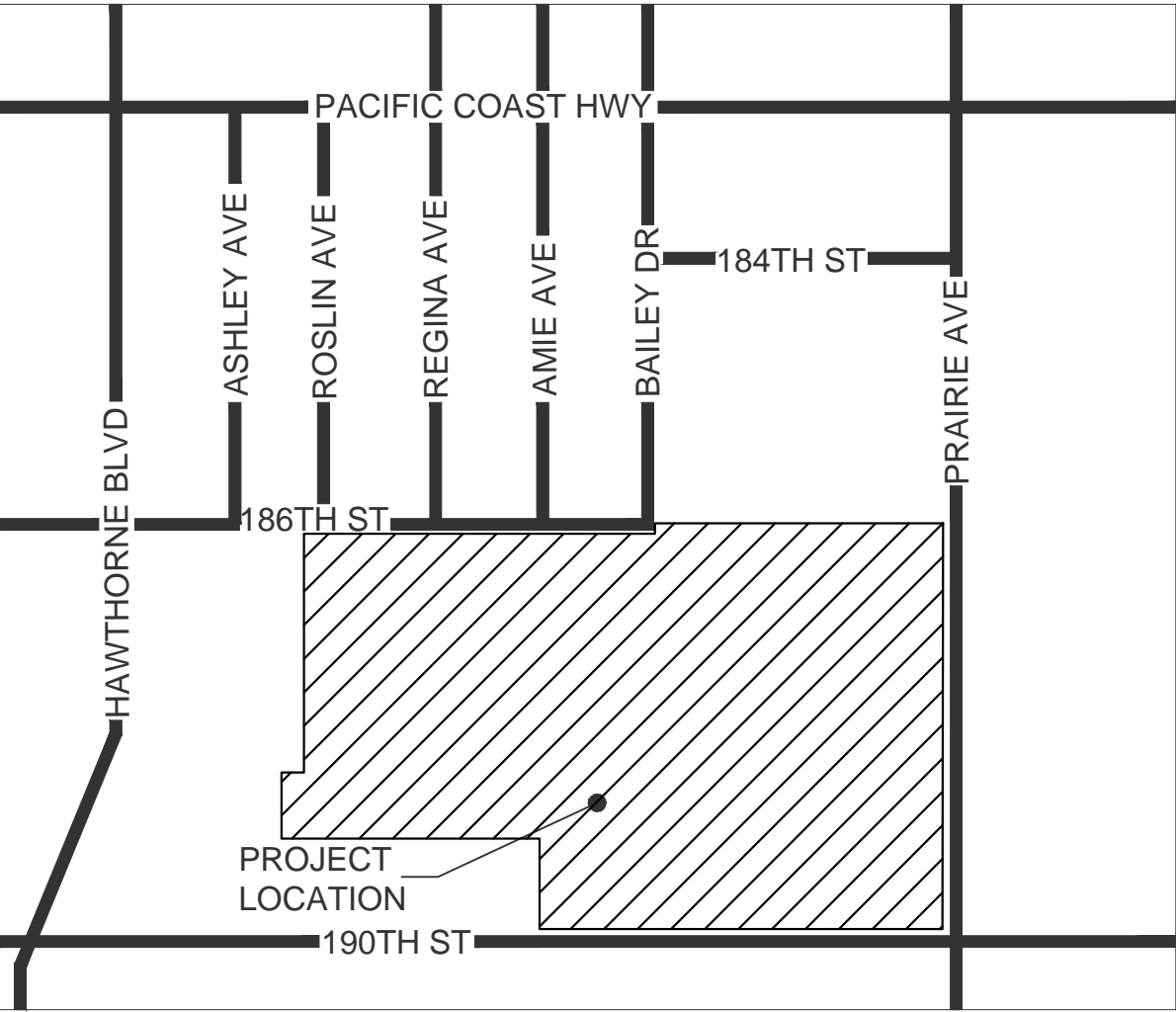
4 OF 38

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NOTE B:

ALL EXISTING CONTROLLERS SHALL BE REMOVED AND TURNED OVER TO THE OWNER'S AUTHORIZED REPRESENTATIVE. CONTROLLER "C" SHALL BE A NEW 24 STATION CONTROLLER TO BE INSTALLED IN A STAINLESS STEEL PEDESTAL ENCLOSURE. CONTRACTOR SHALL ALSO REMOVE THE FOUR (4) EXISTING CONTROLLERS WITHIN THE BUILDING AND REPLACE WITH NEW CONTROLLERS "D & E". CONTROLLERS "D & E" SHALL BE NEW 48 STATION CONTROLLERS INSTALLED IN A STAINLESS STEEL WALL MOUNTED PEDESTAL ENCLOSURE (SEE ATTACHED DRAWING #1). FINAL LOCATION OF CONTROLLER AND ELECTRICAL POC SHALL BE CONFIRMED WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.



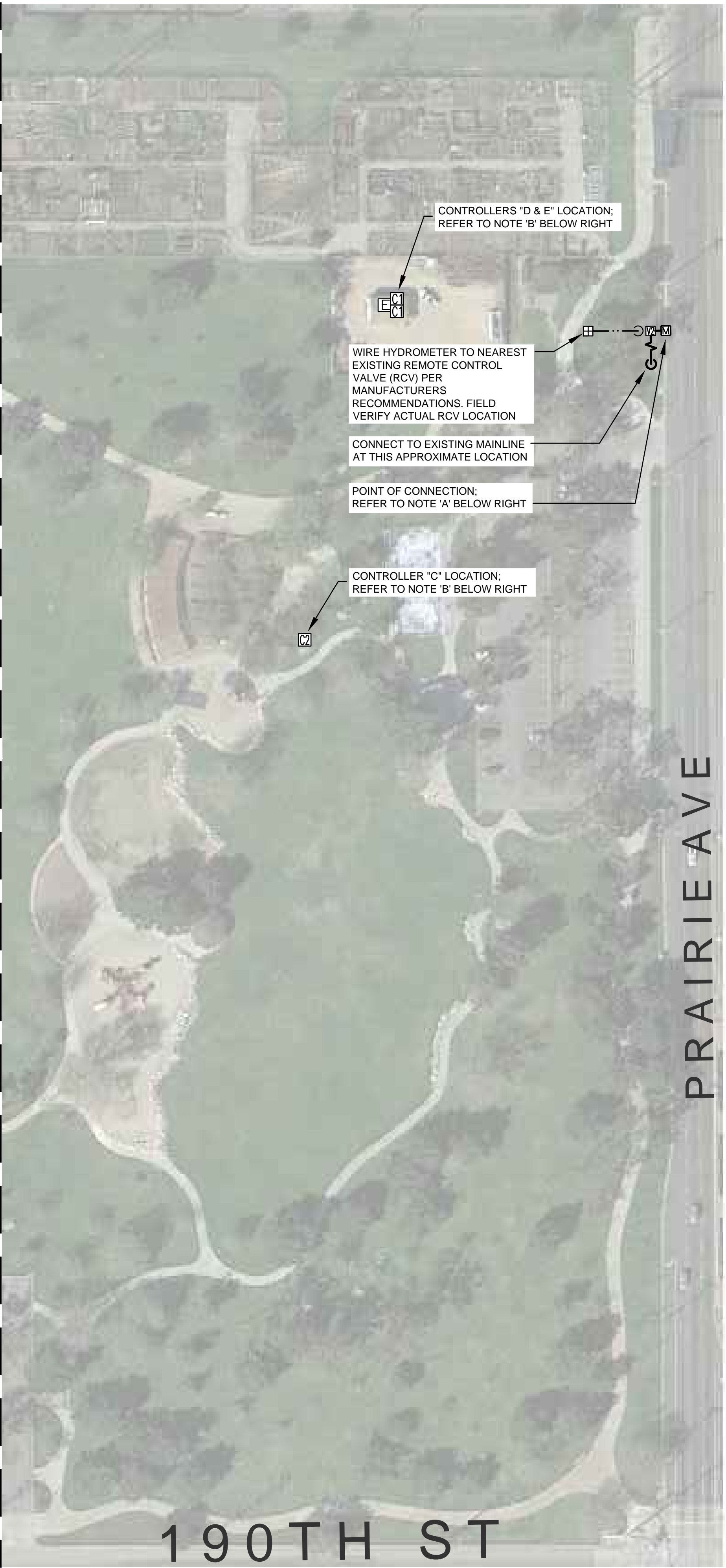
 VICINITY MAP
SCALE: N.T.S.

sweeney + associates
IRRIGATION DESIGN AND CONSULTING

38730 Sky Canyon Drive, Suite C
Murrieta, Ca 92563

e: info@sweeneyassoc.com t: (951) 461-6830
w: www.sweeneyassoc.com f: (951) 461-6850


4 OF 38



MATCHLINE SEE SHEET 3

PRAIRIE AVE

190TH ST

 IRRIGATION PLAN
SCALE: 1/64" = 1'-0"
CONTRACTOR SHALL FIELD VERIFY ALL
MEASUREMENTS AND EXISTING
CONDITIONS PRIOR TO BIDDING

FILE NAME: \\OCSEVERDRAWINGSCITY OF TORRANCE\\PARK CONTROLLER RETRO AND AUDITS\\COLUMBIA PARK\\3&4-COLUMBIA PARK_ IRRIGATION PLAN.DWG

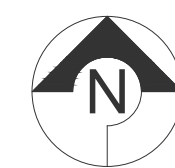
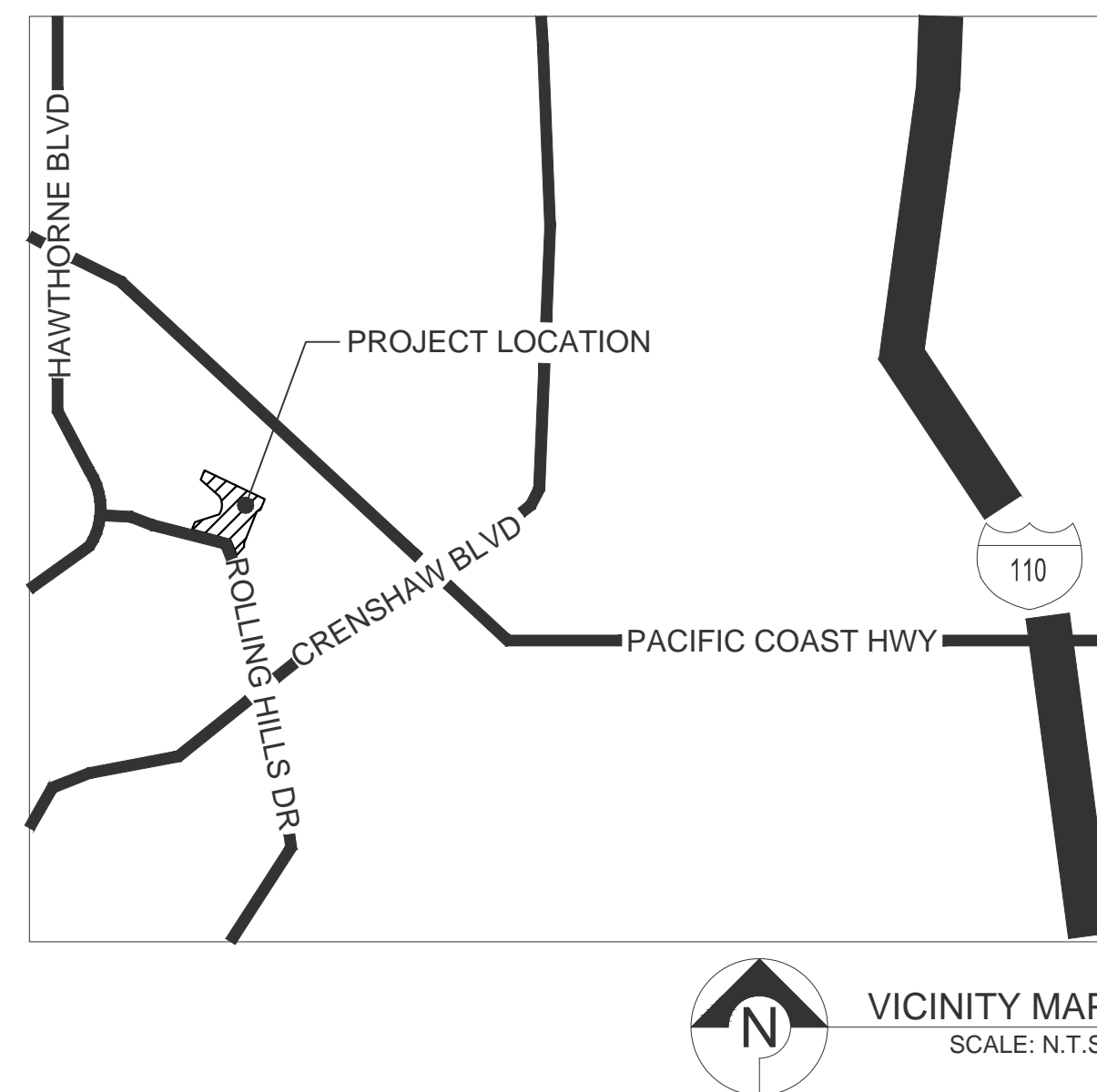
IRRIGATION NOTES

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5. THIS DESIGN IS DIAGRAMMATIC. ALL EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN PLANTING AREAS.
6. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK OR THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED NECESSARY BY THE OWNER.
7. INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH LOCAL CITY, COUNTY AND STATE REQUIREMENTS FOR BOTH EQUIPMENT AND INSTALLATION.
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9. THE CONTRACTOR SHALL USE PROPER GROUNDING TECHNIQUES FOR GROUNDING THE CONTROLLER AND RELATED EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS. SWEENEY AND ASSOCIATES RECOMMENDS MEASURING FOR PROPER GROUND AT LEAST ONCE ANNUALLY, AND NECESSARY ADJUSTMENTS MADE TO COMPLY WITH MANUFACTURER SPECIFICATIONS.



NOTE A:
POINT OF CONNECTION SHALL BE DOWN STREAM OF EXISTING IRRIGATION CONNECTION. HYDROMETER SHALL BE 2" IN SIZE AND BE INSTALLED UPSTREAM OF FIRST RCV. VERIFY THE ACTUAL LOCATION IN THE FIELD PRIOR TO STARTING WORK. IF ANY OF THE POC INFORMATION SHOWN ON THESE DRAWING IS FOUND TO BE DIFFERENT THAN THE ACTUAL POC INFORMATION GATHERED IN THE FIELD, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT AND IRRIGATION CONSULTANT.

NOTE B: ALL EXISTING CONTROLLERS SHALL BE REMOVED AND TURNED OVER TO THE OWNER'S AUTHORIZED REPRESENTATIVE. EXISTING CONTROLLERS 'A' & 'B' SHALL BE REPLACED WITH A NEW 48 STATION & A NEW 24 STATION CONTROLLER INSTALLED IN STAINLESS STEEL PEDESTAL MOUNTED ENCLOSURES (SEE LEGEND FOR MODEL #). FINAL LOCATION OF CONTROLLER AND ELECTRICAL POC SHALL BE CONFIRMED WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.



IRRIGATION PLAN

SCALE: 1/64" = 1'-0"
CONTRACTOR SHALL FIELD VERIFY ALL
MEASUREMENTS AND EXISTING
CONDITIONS PRIOR TO BIDDING

PROJECT\CLIENT:


E PORTOLA PARK
City of Torrance
25615 Lazy Meadow Drive
TORRANCE, CA 90505

SHEET TITLE:

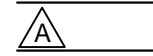
IRRIGATION PLAN



sweeney + associates
IRRIGATION DESIGN AND CONSULTING
Murrieta, California · Austin, Texas
Ft. Lauderdale, Florida



REVISIONS



DRAWN S+A inst

APPROVED CC 9

PLOT DATE 04-26-2013 ϕ

JOB NO. COT-002

DATE 04-26-2013

SCALE SEE PLAN S

DATE _____

IRRIGATION PLAN

SHEET 5 OF 38

FILE NAME: \\0CSERVERDRAWINGS\CITY OF TORRANCE\DELTHORNE PARK\CONTROLLER RETRO AND AUDIT\DELTHORNE PARK\6-DELTHORNE PARK\6-DELTHORNE PARK IRRIGATION PLAN.DWG



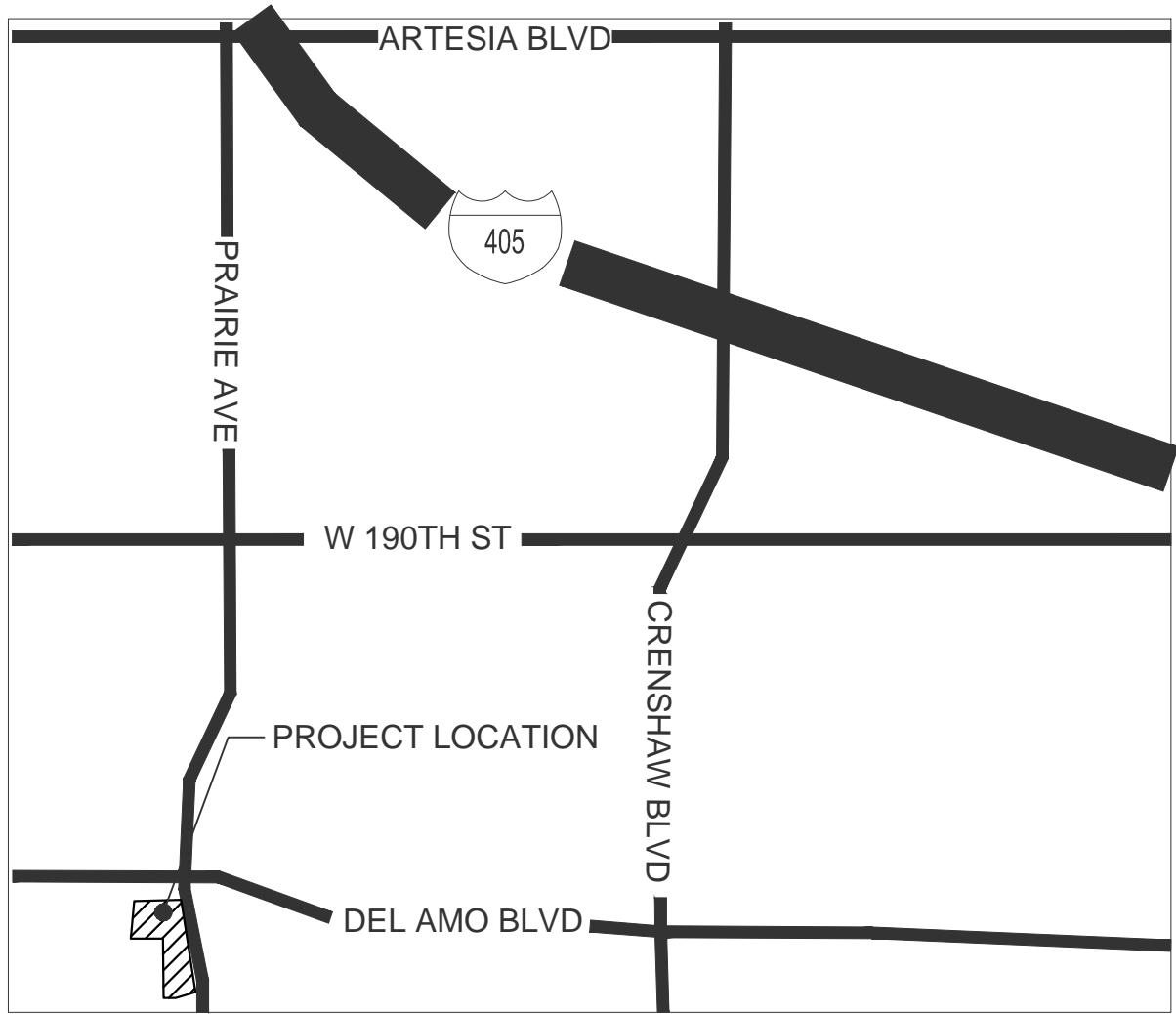
IRRIGATION PLAN
SCALE: 1" = 16'-0"
CONTRACTOR SHALL FIELD VERIFY ALL
MEASUREMENTS AND EXISTING
CONDITIONS PRIOR TO BIDDING

IRRIGATION NOTES

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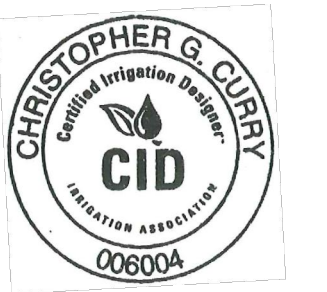
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VICINITY MAP
SCALE: N.T.S.

sweeney + associates
IRRIGATION DESIGN AND CONSULTING
38730 Sky Canyon Drive, Suite C
Murrieta, Ca 92563
e: info@sweeneyassoc.com t: (951) 461-6830
w: www.sweeneyassoc.com f: (951) 461-6830



SHEET TITLE:
**IRRIGATION
PLAN**

PROJECT/CLIENT:
DELTHORNE PARK
City of Torrance
3401 Spencer Street Torrance
TORRANCE, CA 90503

REVISIONS	
<div><div>A</div></div>	

FILE NAME: \\00SERVER\\DRAWINGS\\CITY OF TORRANCE\\PARK CONTROLLER RETRO AND AUDIT\\DESCANSO PARK\\1-DESCANSO IRRIGATION PLAN.DWG



IRRIGATION PLAN
SCALE: 1" = 16'-0"
CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS AND EXISTING CONDITIONS PRIOR TO BIDDING



VICINITY MAP
SCALE: N.T.S.

IRRIGATION NOTES

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SHEET TITLE:
IRRIGATION PLAN

PROJECT/CLIENT:
DESCANSO PARK
City of Torrance
2500 Descanso Way
TORRANCE, CA 90504

REVISIONS	
1	

DRAWN	SA
APPROVED	CC
PLOT DATE	04-26-2013
JOB NO.	COT-002
DATE	04-26-213
SCALE	SEE PLAN

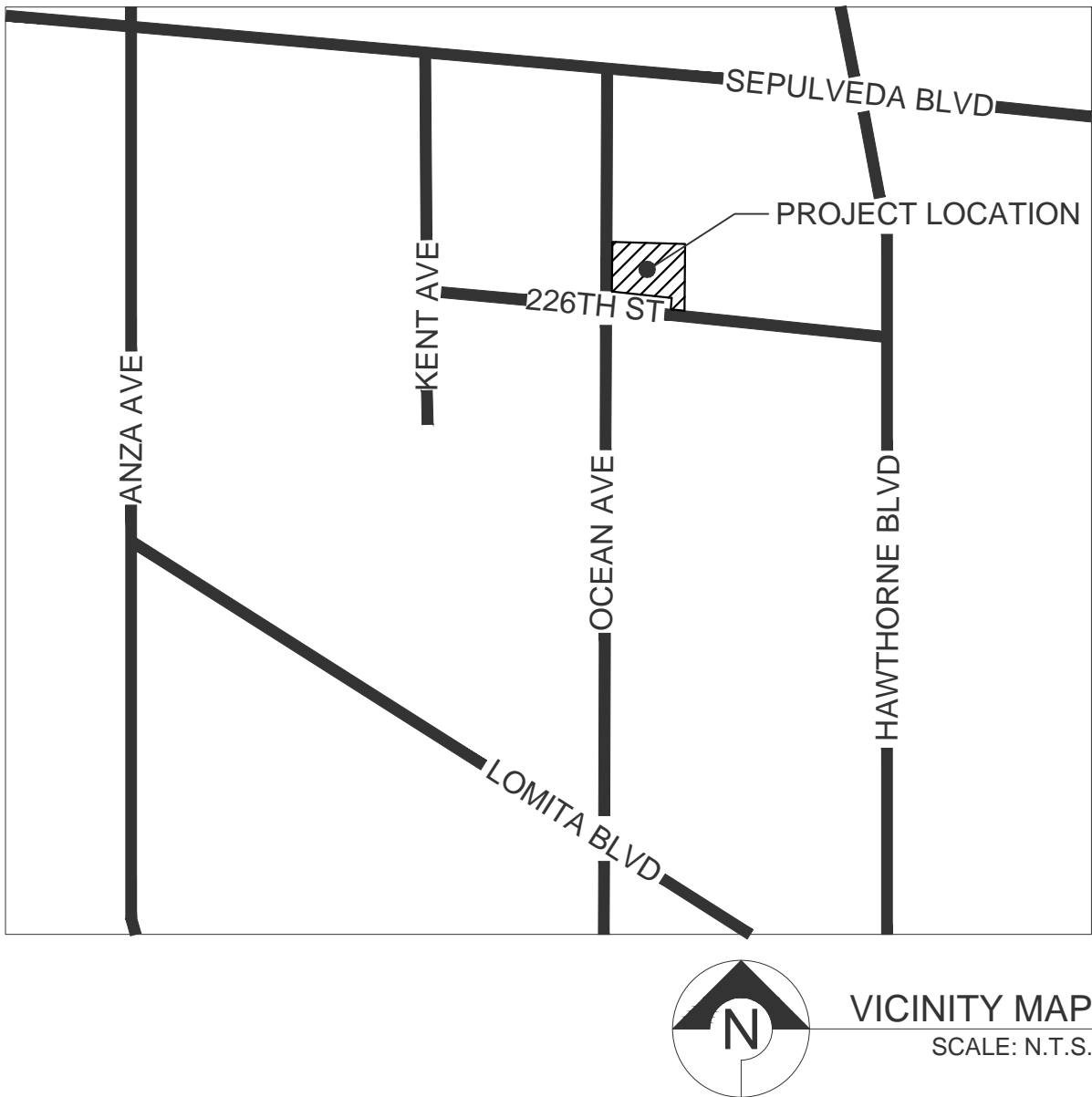
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IRRIGATION PLAN

FILE NAME: \\0CSERVER\DRAWINGS\CITY OF TORRANCE\PARK CONTROLLER RETRO AND AUDIT\DISCOVERY PARK\DISCOVERY PARK IRRIGATION PLAN.DWG



IRRIGATION PLAN
SCALE: 1" = 16'-0"
CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS AND EXISTING CONDITIONS PRIOR TO BIDDING

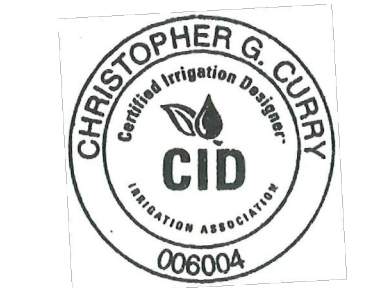


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NOTE B:
ALL EXISTING CONTROLLERS SHALL BE REMOVED AND TURNED OVER TO THE OWNER'S AUTHORIZED REPRESENTATIVE. EXISTING CONTROLLER SHALL BE REPLACED WITH A NEW 24 STATION CONTROLLER INSTALLED IN A STAINLESS STEEL PEDESTAL MOUNTED ENCLOSURE (SEE LEGEND FOR MODEL #). FINAL LOCATION OF CONTROLLER AND ELECTRICAL POC SHALL BE CONFIRMED WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.



SHEET TITLE:
IRRIGATION PLAN

PROJECT/CLIENT:
DISCOVERY PARK
City of Torrance
22526 OCEAN AVE.
TORRANCE, CA 90505

REVISIONS	
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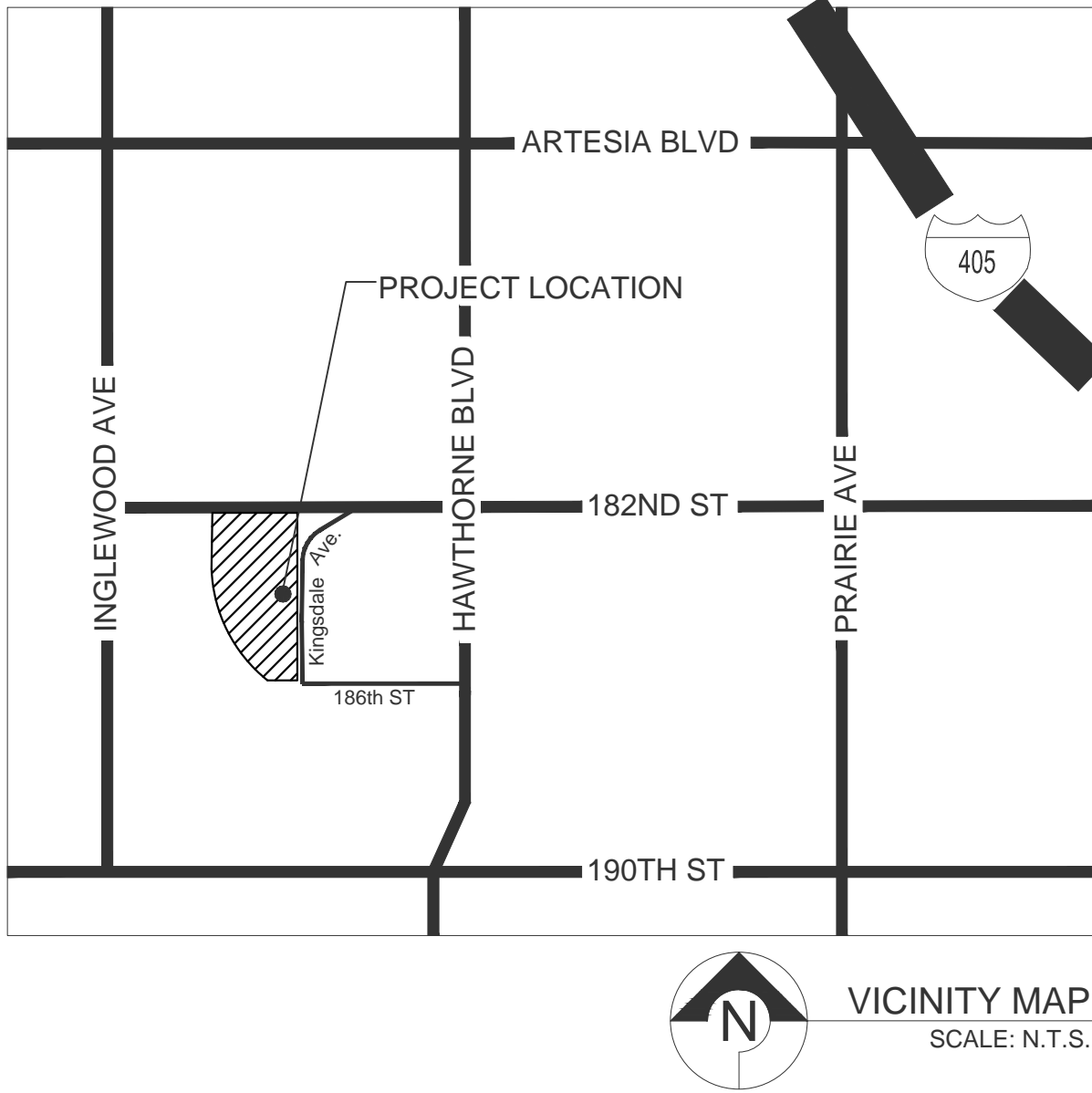
IRRIGATION PLAN



- ### IRRIGATION NOTES
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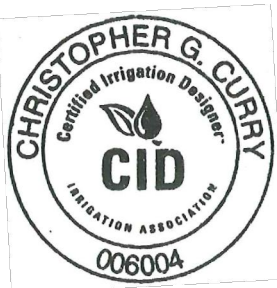
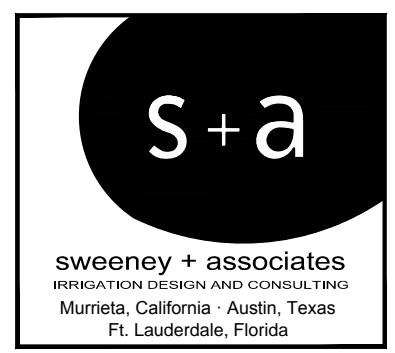
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WIRE HYDROMETER TO NEAREST EXISTING REMOTE CONTROL VALVE (RCV) PER MANUFACTURERS RECOMMENDATIONS. FIELD VERIFY ACTUAL RCV LOCATION WITH OWNER'S AUTHORIZED REPRESENTATIVE; REFER TO LEGEND.

POC LOCATION; REFER TO NOTE 'A' AT LEFT
CONNECT TO EXISTING MAINLINE - TYPICAL

sweeney + associates
IRRIGATION DESIGN AND CONSULTING
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Murrieta, Ca 92563
e: info@sweeneyassoc.com t: (951) 461-6830
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SHEET TITLE:

IRRIGATION
PLAN

PROJECT/CLIENT:

EL NIDO PARK
City of Torrance
18301 Kingsdale Avenue
TORRANCE, CA 90504

REVISIONS



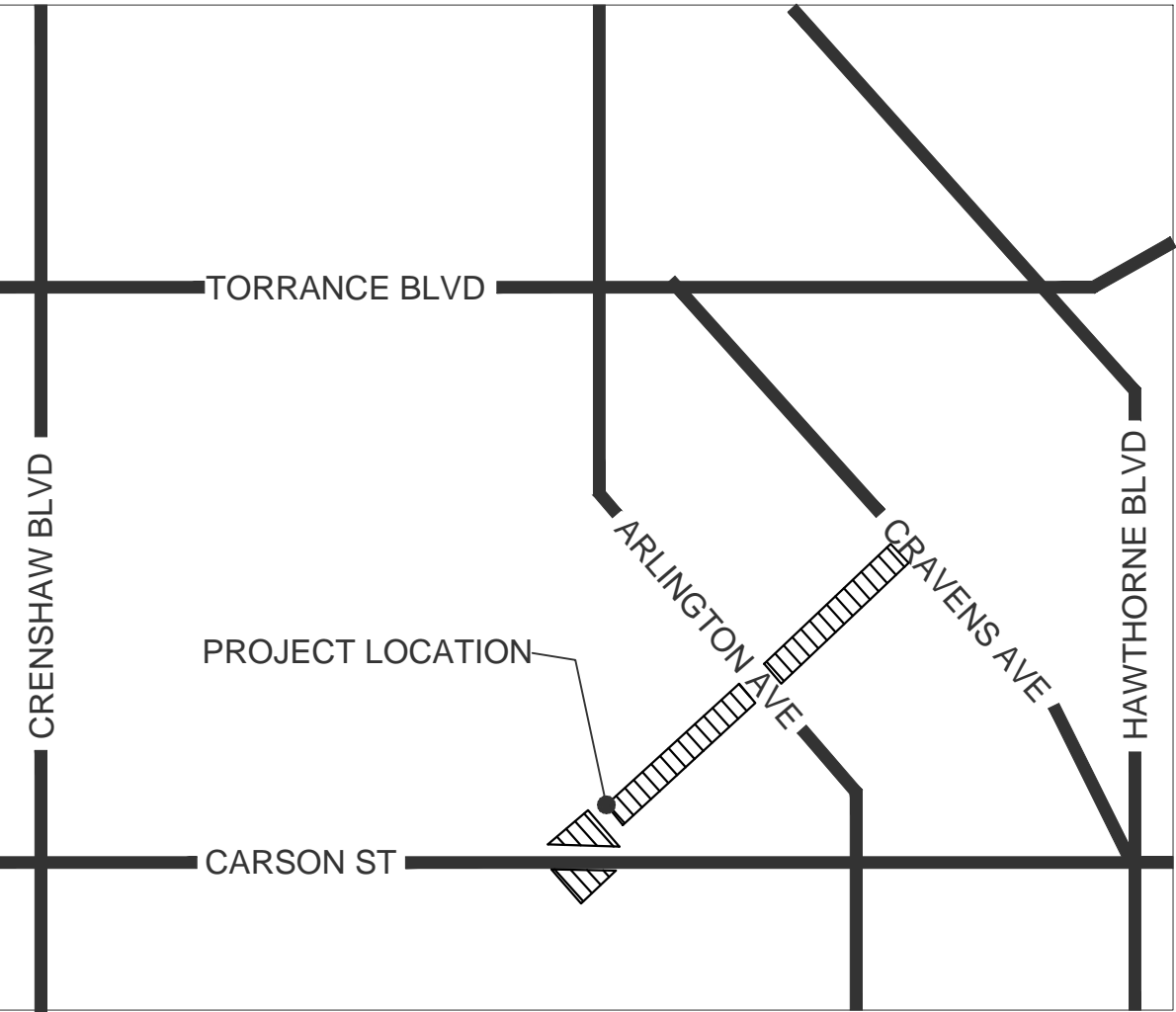
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PLOT DATE	04-26-2013
JOB NO.	COT-002
DATE	04-26-2013
SCALE	SEE PLAN

IRRIGATION
PLAN

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NOTE A:
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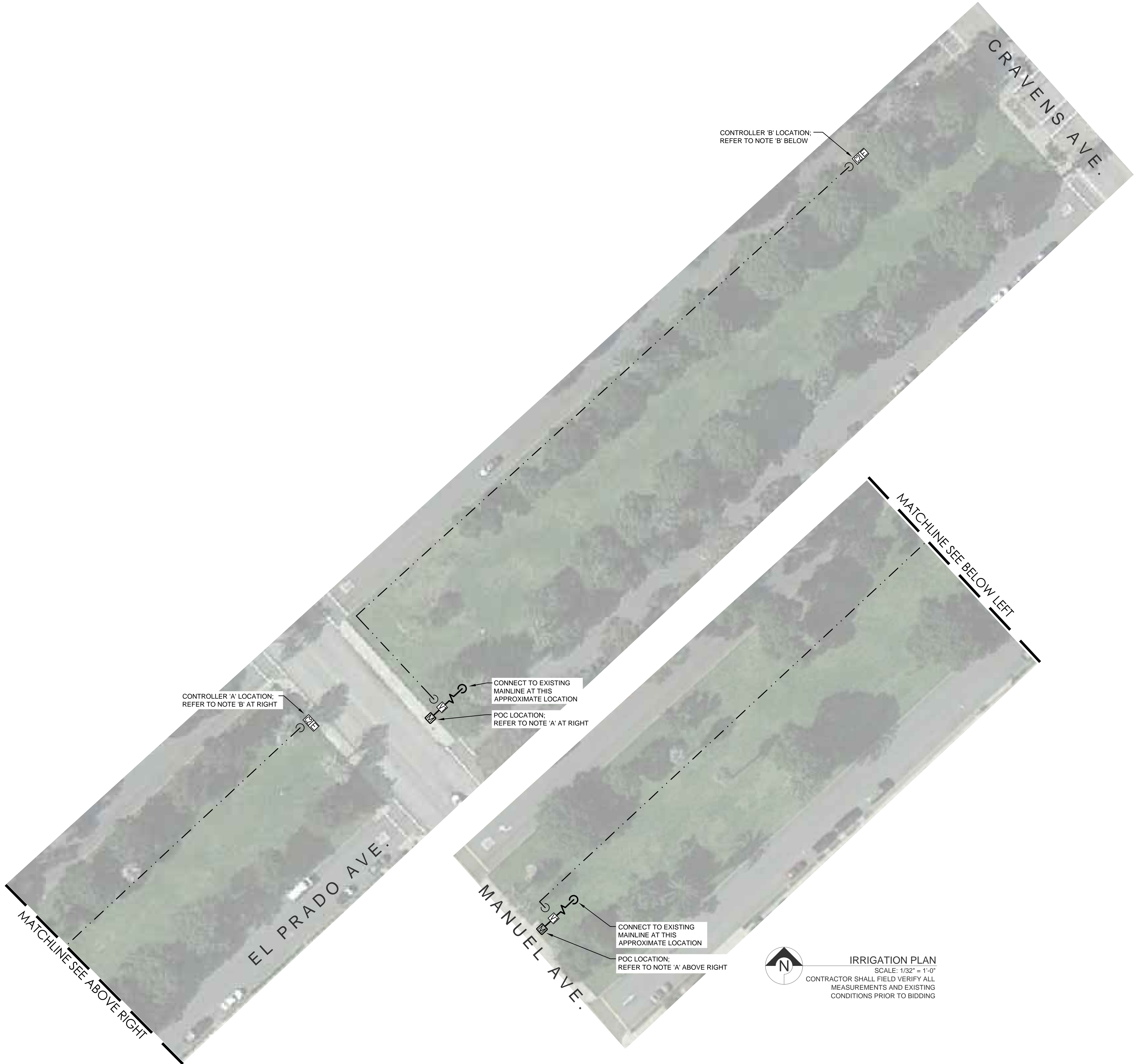
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sweeney + associates
IRRIGATION DESIGN AND CONSULTING

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Murrieta, Ca 92563

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IRRIGATION PLAN
SCALE: 1/32" = 1'-0"
CONTRACTOR SHALL FIELD VERIFY ALL
MEASUREMENTS AND EXISTING
CONDITIONS PRIOR TO BIDDING

FILE NAME: \\00SERVER\\DRAWINGS\\CITY OF TORRANCE\\PARK CONTROLLER RETIRO AND AUDITS\\EL RETIRO PARK IRRIGATION PLAN.DWG

PACIFIC COAST HWY



IRRIGATION NOTES

1. ALL LOCAL MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.
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5. THIS DESIGN IS DIAGRAMMATIC. ALL EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN PLANTING AREAS.
6. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK OR THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED NECESSARY BY THE OWNER.
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VICINITY MAP
SCALE: N.T.S.

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Murrieta, California Austin, Texas
Ft. Lauderdale, Florida

CHRISTOPHER G. CURRY
California Irrigation Engineer
CID
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IRRIGATION
PLAN

EL RETIRO PARK
City of Torrance
126 Vista del Parque
Redondo Beach, CA 90277

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IRRIGATION
PLAN

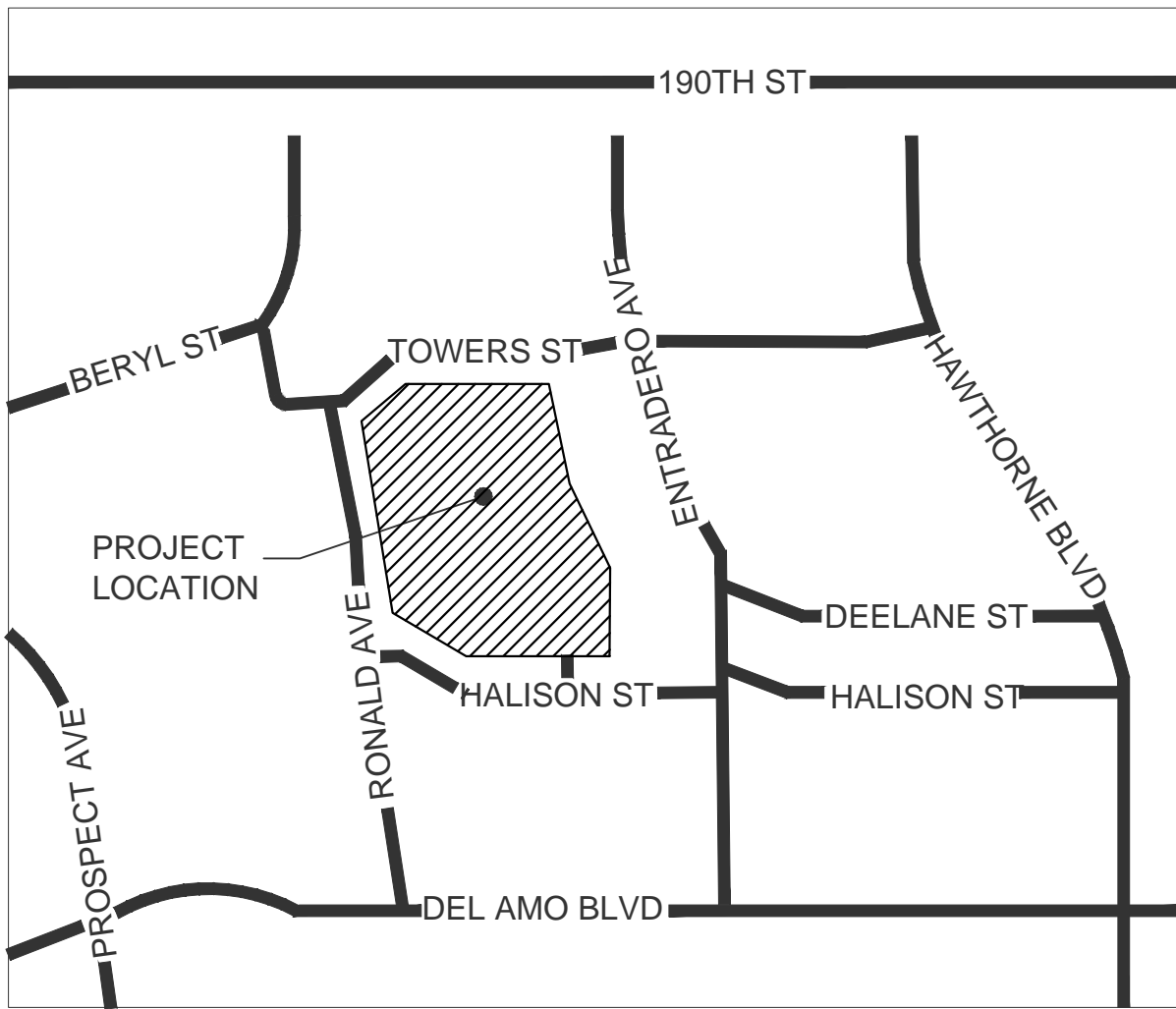


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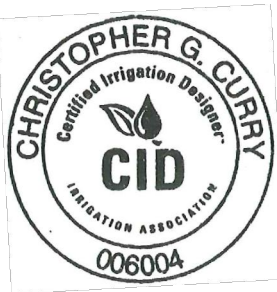
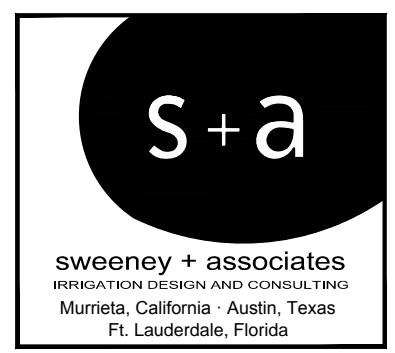
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IRRIGATION PLAN
SCALE: 1/32" = 1'-0"
CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS AND EXISTING CONDITIONS PRIOR TO BIDDING

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SHEET TITLE:
IRRIGATION
PLAN

PROJECT/CLIENT:
ENTRADERO PARK
City of Torrance
5500 Towers Street
TORRANCE, CA 90503

REVISIONS



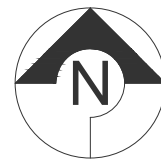
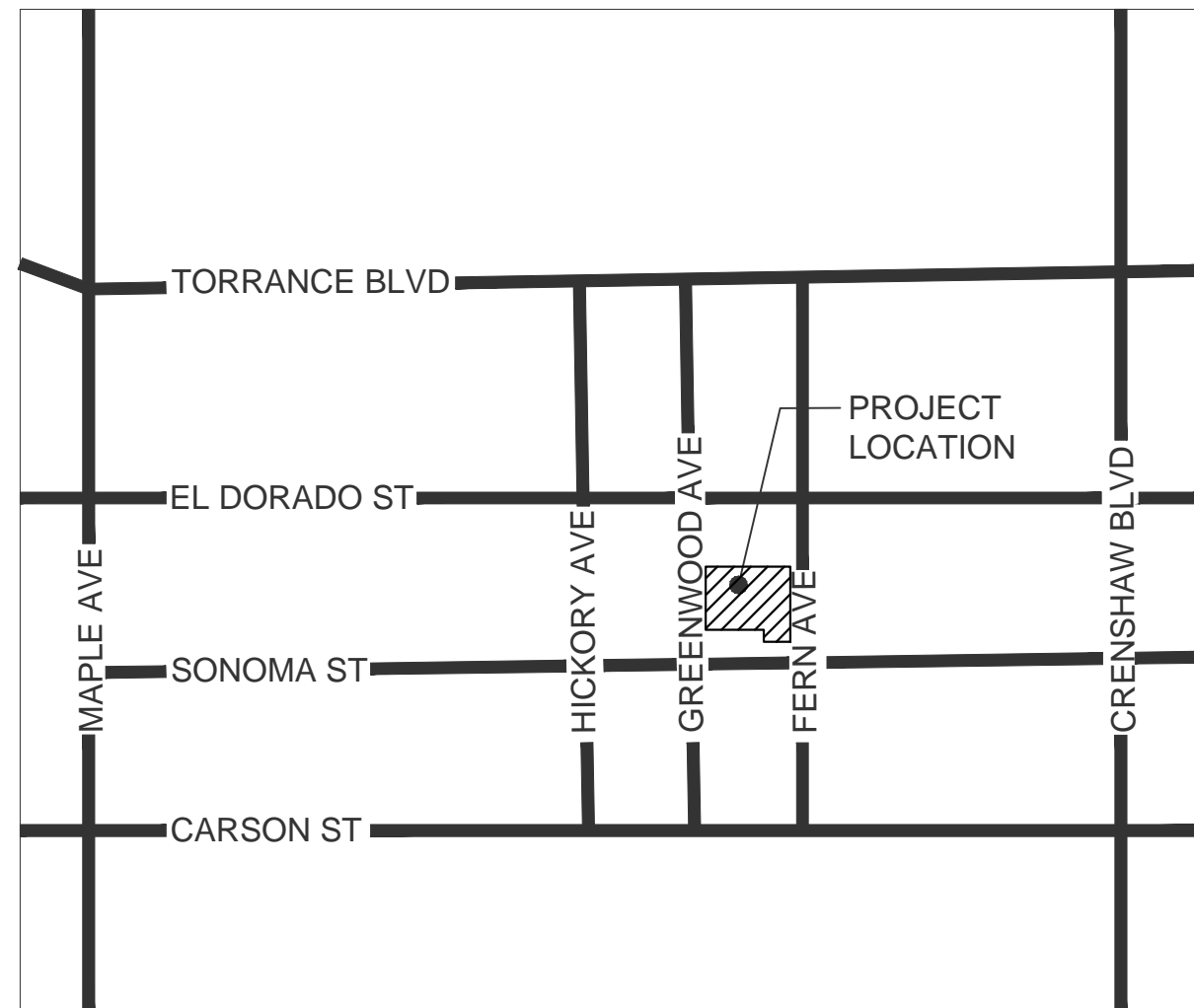
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APPROVED: CC
PLOT DATE: 04-26-2013
JOB NO.: COT-002
DATE: 04-26-2013
SCALE: SEE PLAN

IRRIGATION
PLAN

FILE NAME: \\0CSERVER\DRAWINGS\CITY OF TORRANCE\PARK CONTROLLER RETRO AND AUDITS\GREENWOOD PARK\13-GREENWOOD PARK IRRIGATION PLAN.DWG



IRRIGATION PLAN
SCALE: 1/32" = 1'-0"
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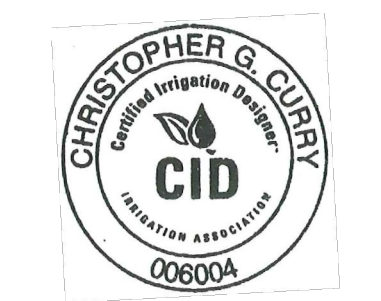
VICINITY MAP
SCALE: N.T.S.

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NOTE B:
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IRRIGATION PLAN

PROJECT/CLIENT:
GREENWOOD PARK
City of Torrance
1520 Greenwood Avenue
TORRANCE, CA 90503

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IRRIGATION PLAN

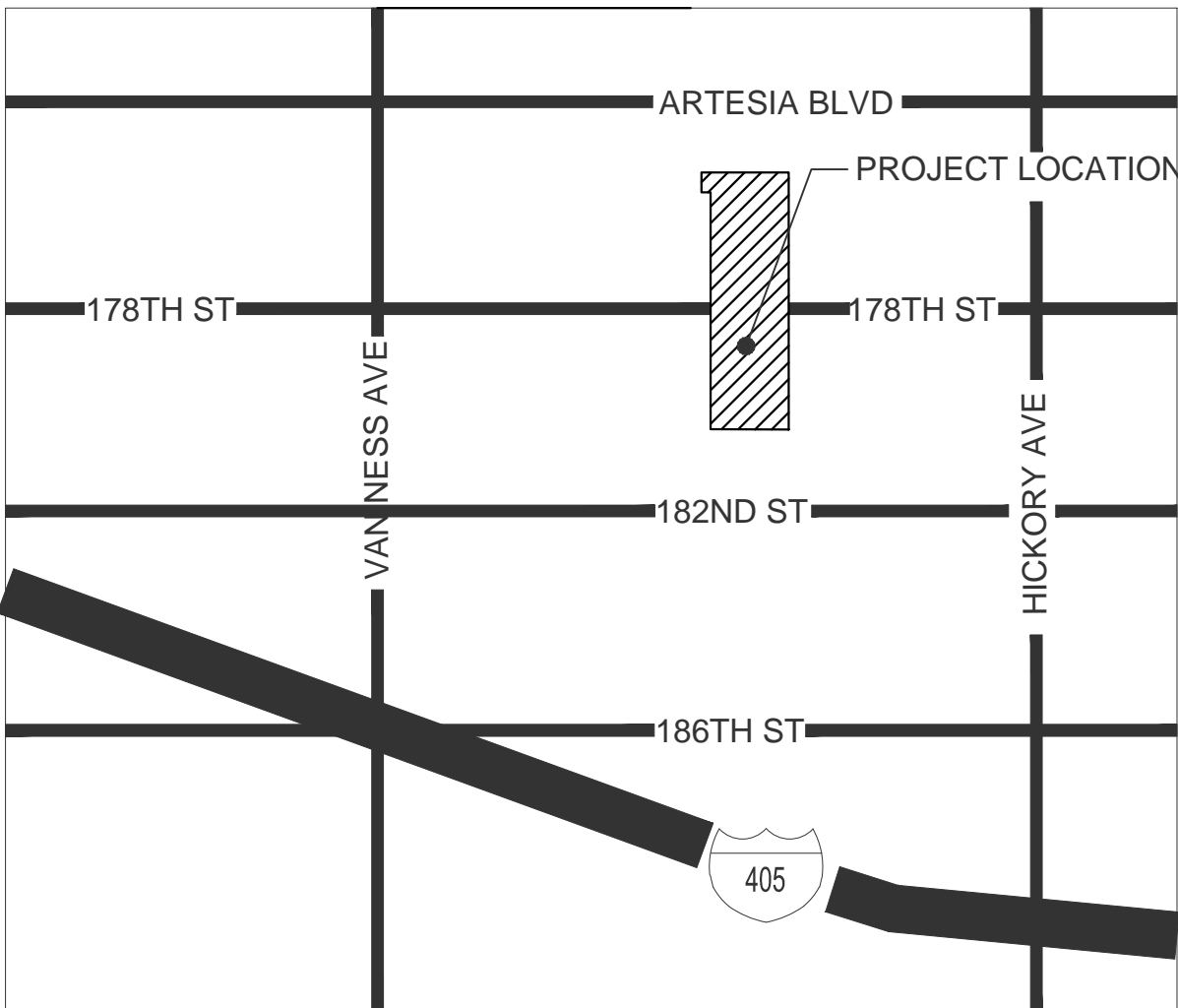


IRRIGATION NOTES

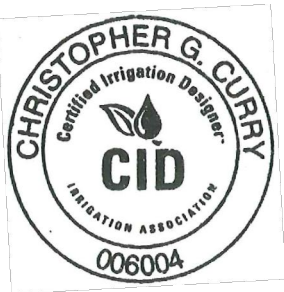
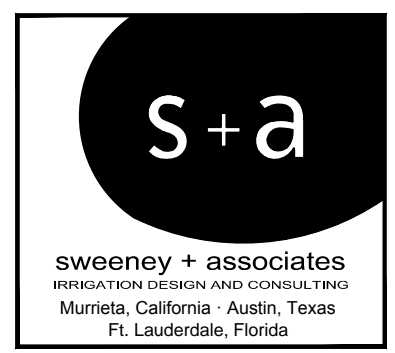
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SHEET TITLE:

IRRIGATION
PLAN

PROJECT/CLIENT:

GUENSER PARK
City of Torrance
17800 Gramercy Place
TORRANCE, CA 90504

REVISIONS

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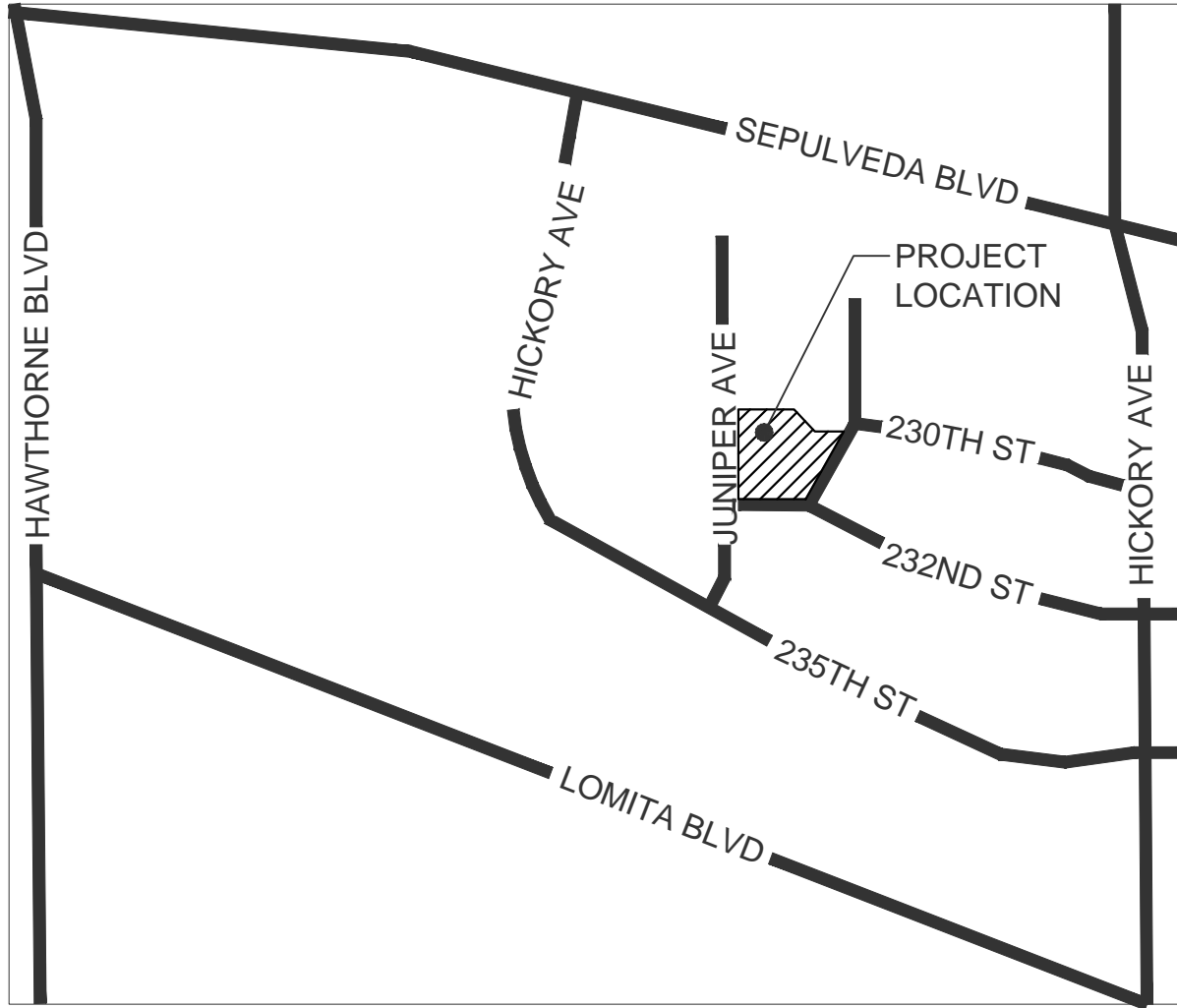
IRRIGATION
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IRRIGATION PLAN
SCALE: 1/32" = 1'-0"
CONTRACTOR SHALL FIELD VERIFY ALL
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VICINITY MAP
SCALE: N.T.S.



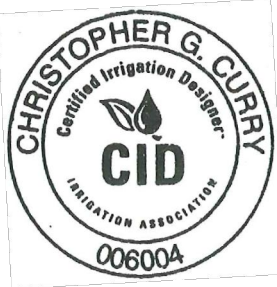
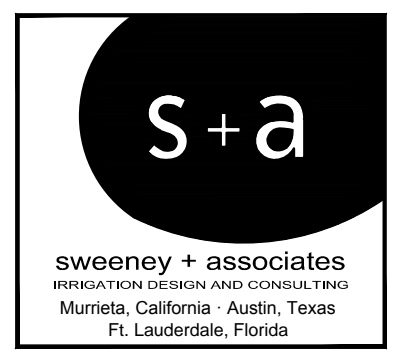
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sweeney + associates
IRRIGATION DESIGN AND CONSULTING
38730 Sky Canyon Drive, Suite C
Murrieta, Ca 92563
e: info@sweeneyassoc.com t: (951) 461-6830
w: www.sweeneyassoc.com f: (951) 461-6830



SHEET TITLE:

IRRIGATION
PLAN

PROJECT/CLIENT:

HICKORY PARK
City of Torrance
2850 232nd Street
TORRANCE, CA 90503

REVISIONS



DRAWN S+A

APPROVED CC

PLOT DATE 04-26-2013

JOB NO. COT-002

DATE 04-26-2013

SCALE SEE PLAN

IRRIGATION
PLAN



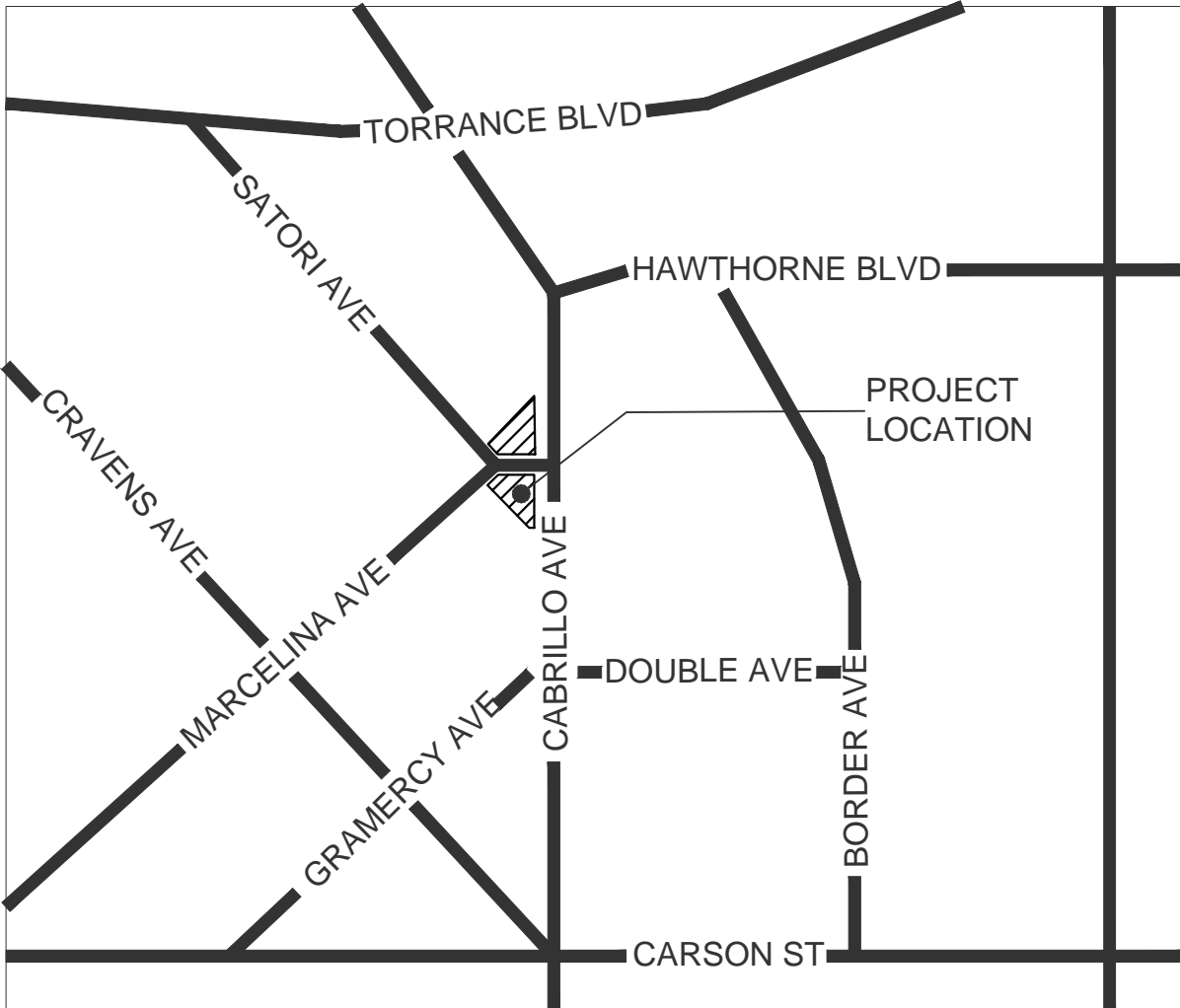
IRRIGATION PLAN
SCALE: 1/16" = 1'-0"
CONTRACTOR SHALL FIELD VERIFY ALL
MEASUREMENTS AND EXISTING
CONDITIONS PRIOR TO BIDDING

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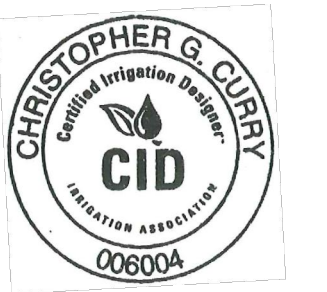
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VICINITY MAP
SCALE: N.T.S.

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IRRIGATION
PLAN

KELLER & JFK PARKS
City of Torrance
Sartori Avenue
Los Angeles, CA 90044

REVISIONS



DRAWN	SA
APPROVED	CC
PLOT DATE	04-26-2013
JOB NO.	COT-002
DATE	04-28-2013
SCALE	SEE PLAN

IRRIGATION
PLAN

FILE NAME: \\00SERVER\DRAWINGS\CITY OF TORRANCE\ENGINEERING\CONTROLLER RETRO AND AUDIT\LA CARRETERA PARK\LA CARRETERA PARK IRRIGATION PLAN.DWG

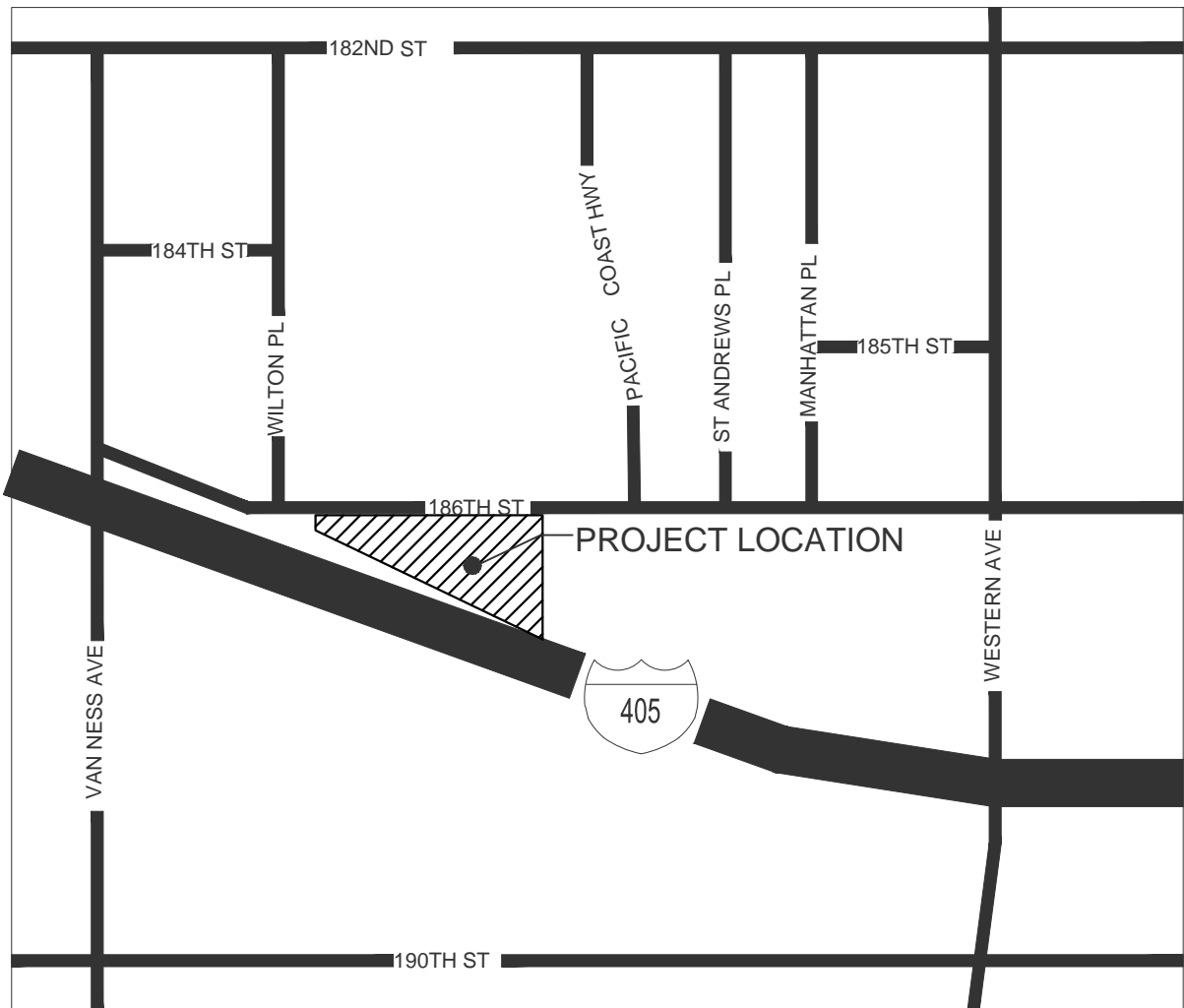


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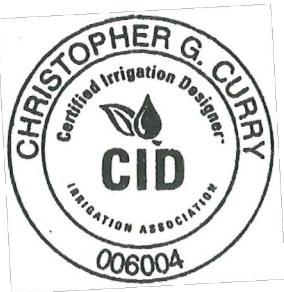
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IRRIGATION PLAN

SCALE: 1/32" = 1'-0"
CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS AND EXISTING CONDITIONS PRIOR TO BIDDING

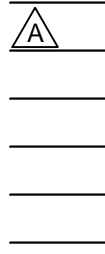
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IRRIGATION PLAN

PROJECT CLIENT:
LA CARRETERA PARK
City of Torrance
2040 186th Street
TORRANCE, CA 90504

REVISIONS



DRAWN: S+A
APPROVED: CC
PLOT DATE: 04-26-2013
JOB NO.: COT-002
DATE: 04-26-2013
SCALE: SEE PLAN

IRRIGATION PLAN

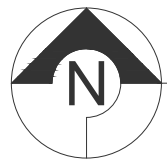


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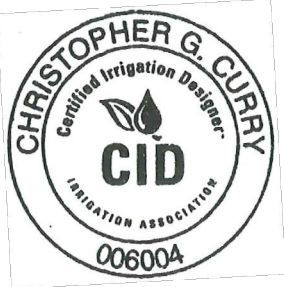
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IRRIGATION PLAN
SCALE: 3/32" = 1'-0"
CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS AND EXISTING CONDITIONS PRIOR TO BIDDING

sweeney + associates
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Murrieta, Ca 92563
e: info@sweeneyassoc.com t: (951) 461-6830
w: www.sweeneyassoc.com f: (951) 461-6850



IRRIGATION
PLAN

LA PALOMA PARK
City of Torrance
Lomita Blvd. (East of Anza)
TORRANCE, CA 90505

REVISIONS	
DRAWN	SHA
APPROVED	CC
PLOT DATE	04-26-2013
JOB NO.	COT-002
DATE	04-26-2013
SCALE	SEE PLAN

IRRIGATION
PLAN



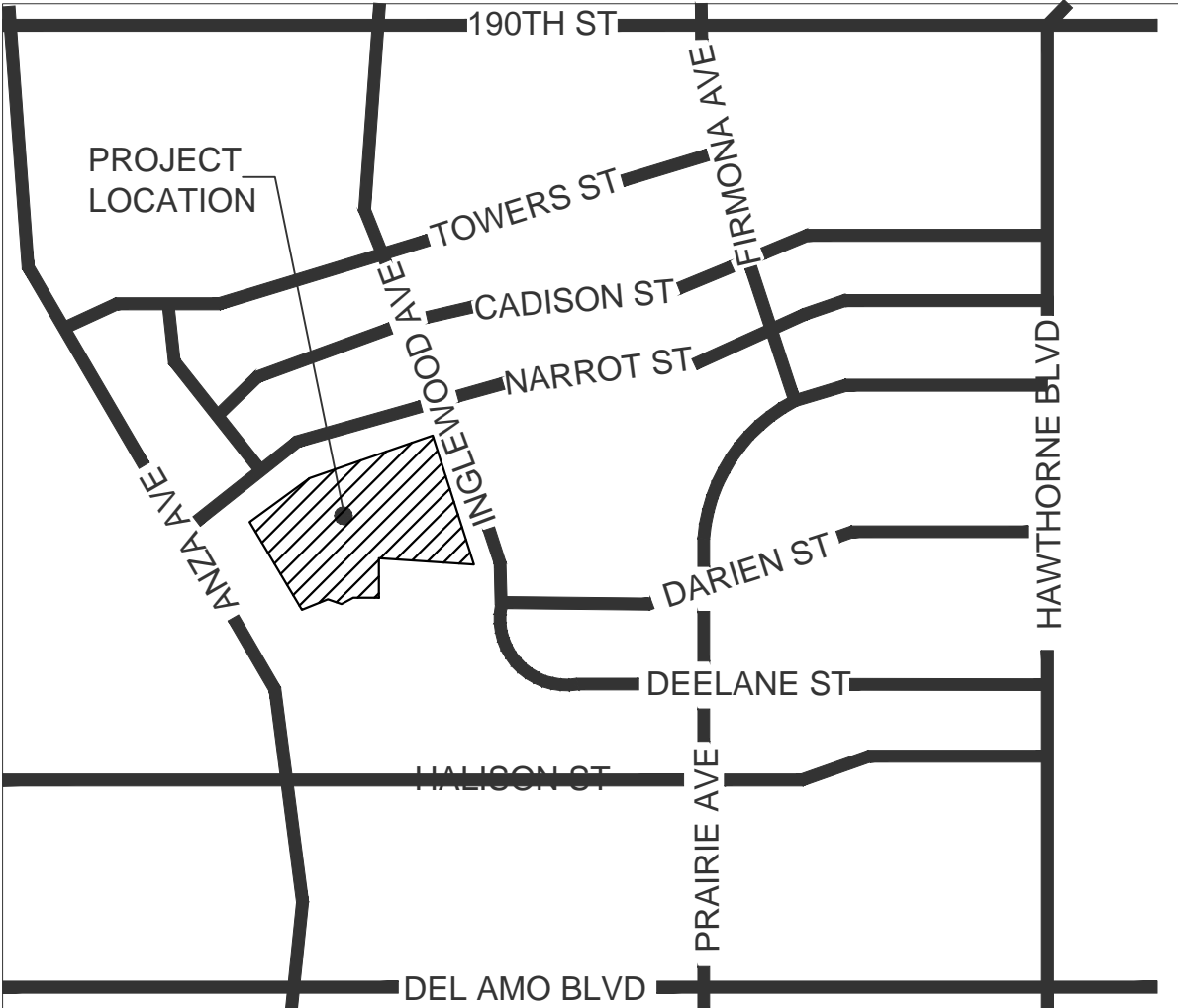
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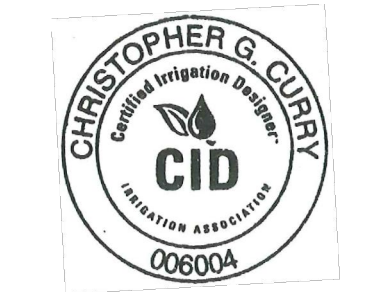
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IRRIGATION
PLAN

PROJECT/CLIENT:
LA ROMERIA PARK
City of Torrance
19501 Inglewood Avenue
TORRANCE, CA 90503

REVISIONS



DRAWN	SA
APPROVED	CC
PLOT DATE	04-26-2013
JOB NO.	COT-002
DATE	04-26-2013
SCALE	SEE PLAN

IRRIGATION
PLAN

FILE NAME: \\0CSERVERDRAWINGS\CITY OF TORRANCE\PARK CONTROLLER RETRO AND AUDIT\LAGO SECO PARK\20&21-LAGO SECO IRRIGATION PLAN.DWG



POINT OF CONNECTION;
REFER TO NOTE 'A' AT RIGHT

CONNECT TO EXISTING MAINLINE
AT THIS APPROXIMATE LOCATION

WIRE HYDROMETER TO
NEAREST EXISTING REMOTE
CONTROL VALVE (RCV) PER
MANUFACTURERS
RECOMMENDATIONS. FIELD
VERIFY ACTUAL RCV LOCATION
WITH OWNER'S AUTHORIZED
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REFER TO LEGEND

CONTROLLER 'A' LOCATION;
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MATCHLINE SEE SHEET 21



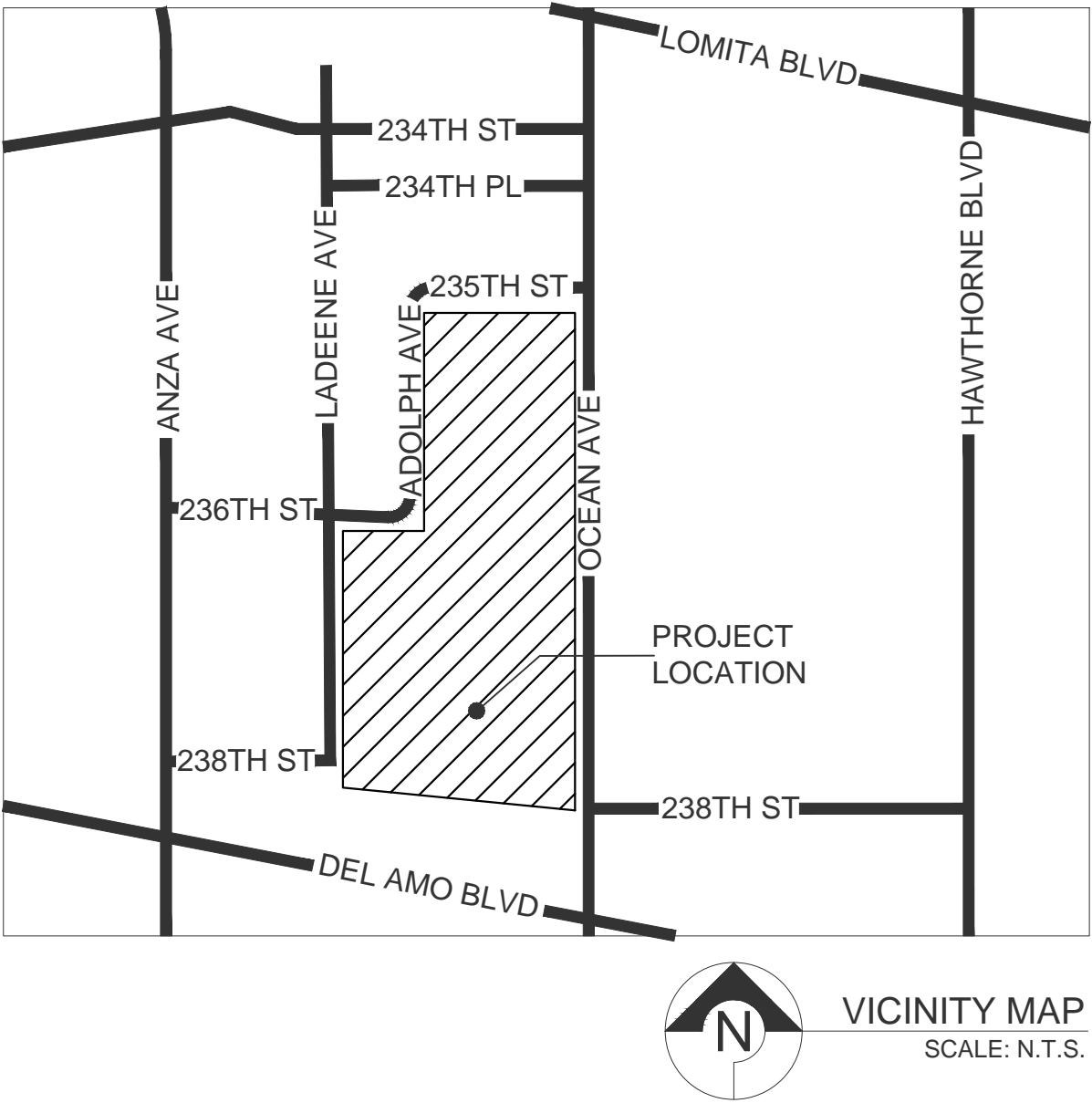
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IRRIGATION NOTES

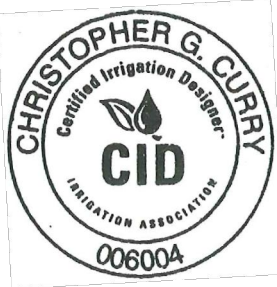
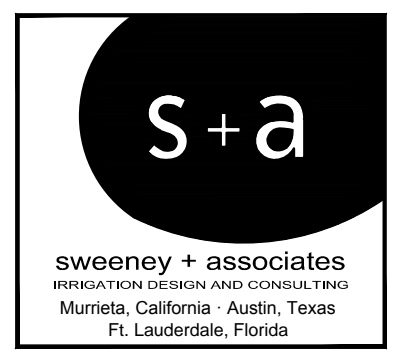
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3. THE CONTRACTOR SHALL OBTAIN THE PERTINENT ENGINEERING OR ARCHITECTURAL PLANS BEFORE BEGINNING WORK.
4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK.
5. THIS DESIGN IS DIAGRAMMATIC. ALL EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN PLANTING AREAS.
6. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK OR THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED NECESSARY BY THE OWNER.
7. INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH LOCAL CITY, COUNTY AND STATE REQUIREMENTS FOR BOTH EQUIPMENT AND INSTALLATION.
8. ALL PIPE UNDER PAVED AREAS TO BE INSTALLED IN SLEEVING TWICE THE DIAMETER OF THE PIPE CARRIED. SEE LEGEND FOR TYPE. ALL WIRE UNDER PAVED AREAS TO BE INSTALLED IN A SCH. 40 SLEEVE THE SIZE REQUIRED TO EASILY PULL WIRE THROUGH. ALL SLEEVES TO BE INSTALLED WITH A MINIMUM DEPTH AS SHOWN ON THE SLEEVING DETAILS. SLEEVES TO EXTEND AT LEAST 12" PAST THE EDGE OF THE PAVING.
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NOTE A:
POINT OF CONNECTION SHALL BE DOWN STREAM OF EXISTING IRRIGATION CONNECTION. HYDROMETERS SHALL BE 3" IN SIZE AND BE INSTALLED UPSTREAM OF FIRST RCV. VERIFY THE ACTUAL LOCATION IN THE FIELD PRIOR TO STARTING WORK. IF ANY OF THE POC INFORMATION SHOWN ON THESE DRAWING IS FOUND TO BE DIFFERENT THAN THE ACTUAL POC INFORMATION GATHERED IN THE FIELD, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT AND IRRIGATION CONSULTANT.

NOTE B:
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-CONTRACTOR SHALL REMOVE THE ONE (1) EXISTING CONTROLLER WITHIN THE BUILDING AND REPLACE WITH NEW CONTROLLER 'A'. CONTROLLER 'A' SHALL BE A 48 STATION CONTROLLER INSTALLED IN STAINLESS STEEL WALL MOUNTED ENCLOSURE WITHIN BUILDING (SEE LEGEND FOR MODEL #).
FINAL LOCATION OF CONTROLLER AND ELECTRICAL POC SHALL BE CONFIRMED WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.



sweeney + associates
IRRIGATION DESIGN AND CONSULTING
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Murrieta, Ca 92563
e: info@sweeneyassoc.com t: (951) 461-6830
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SHEET TITLE:
**IRRIGATION
PLAN**

PROJECT/CLIENT:
LAGO SECO PARK
City of Torrance
3920 236th Street
TORRANCE, CA 90505

REVISIONS	
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POINT OF CONNECTION;
REFER TO NOTE 'A' BELOW RIGHT

CONNECT TO EXISTING MAINLINE
AT THIS APPROXIMATE LOCATION

WIRE HYDROMETER TO NEAREST
EXISTING REMOTE CONTROL
VALVE (RCV) PER
MANUFACTURERS
RECOMMENDATIONS. FIELD
VERIFY ACTUAL RCV LOCATION
WITH OWNER'S AUTHORIZED
REPRESENTATIVE;
REFER TO LEGEND

CONTROLLER "B" LOCATION;
REFER TO NOTE 'B' AT RIGHT



SCALE: 1/32" = 1'-0"
CONTRACTOR SHALL FIELD VERIFY ALL
MEASUREMENTS AND EXISTING
CONDITIONS PRIOR TO BIDDING

1. ALL LOCAL MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.
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NOTE A:
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NOTE B:
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-CONTRACTOR SHALL REMOVE THE ONE (1) EXISTING CONTROLLER AND REPLACE WITH THE BUILDING OR REPLACE WITH NEW CONTROLLER "B". CONTROLLER "B" SHALL BE A 48 STATION CONTROLLER INSTALLED IN STAINLESS STEEL PEDESTAL ENCLOSURE. (SEE LEGEND FOR MODEL #).
FINAL LOCATION OF CONTROLLER AND ELECTRICAL POC SHALL BE CONFIRMED WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

IRRIGATION DESIGN AND CONSULTING

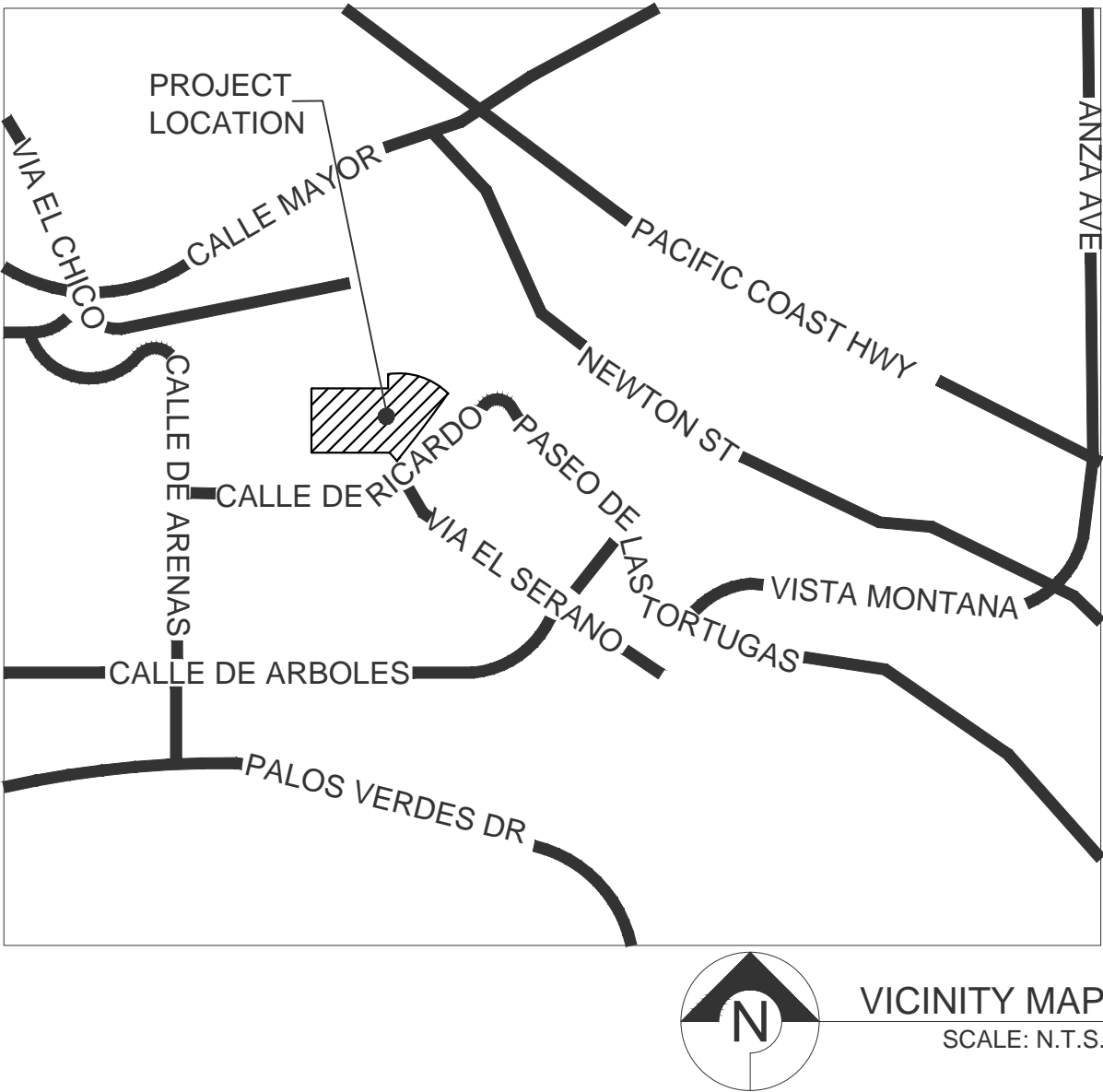
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- ### IRRIGATION NOTES
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NOTE B:
ALL EXISTING CONTROLLERS SHALL BE REMOVED AND TURNED OVER TO THE OWNER'S AUTHORIZED REPRESENTATIVE. EXISTING CONTROLLER SHALL BE REPLACED WITH A NEW 24 STATION CONTROLLER INSTALLED IN A STAINLESS STEEL PEDESTAL ENCLOSURE (SEE LEGEND FOR MODEL #). FINAL LOCATION OF CONTROLLER AND ELECTRICAL POC SHALL BE CONFIRMED WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.





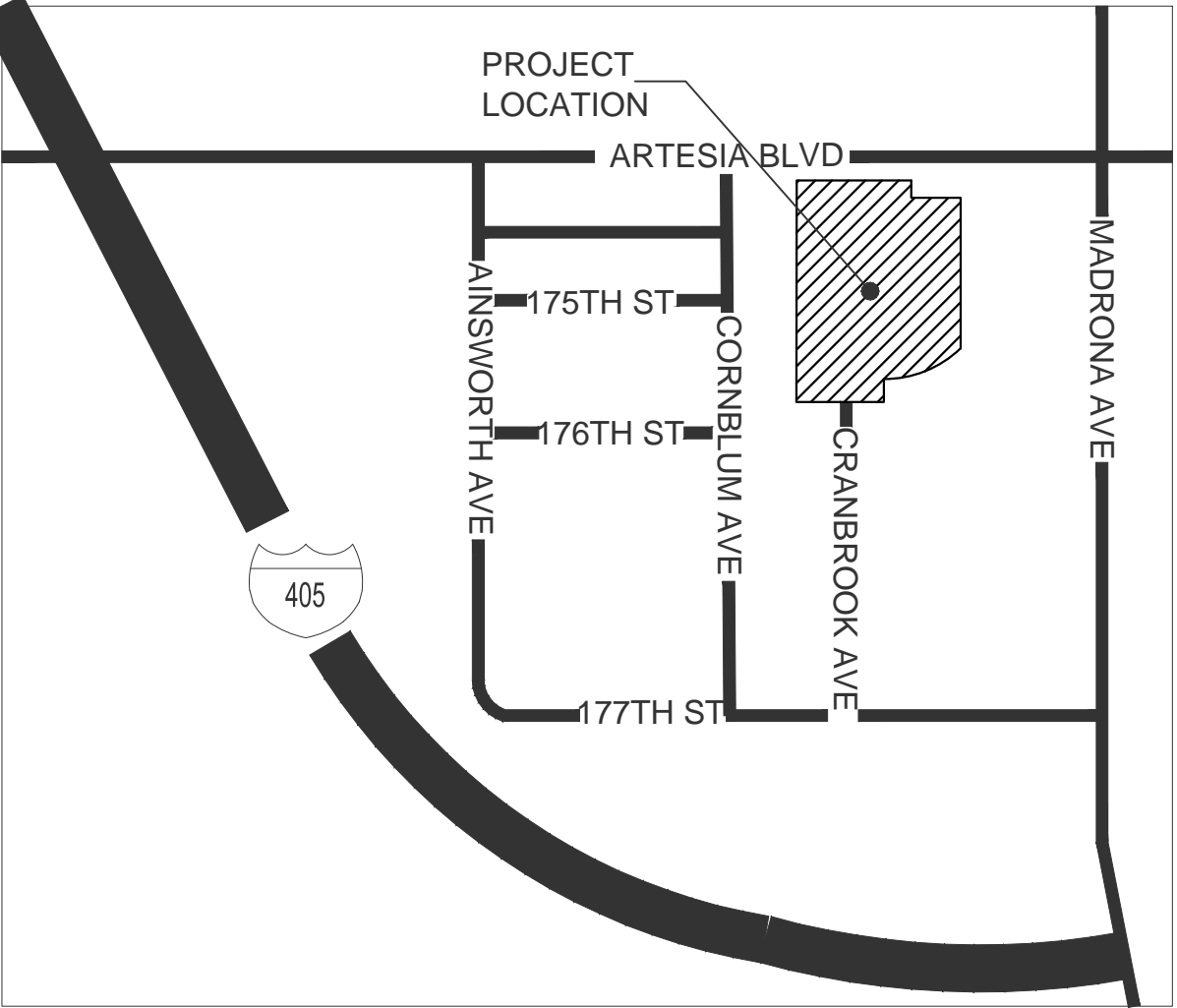
IRRIGATION PLAN
SCALE: 1/32" = 1'-0"
CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS AND EXISTING CONDITIONS PRIOR TO BIDDING

IRRIGATION NOTES

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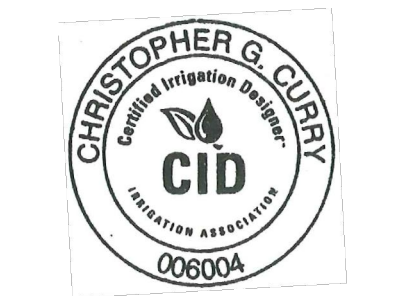
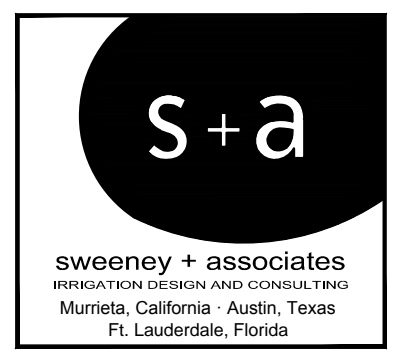
NOTE A:
POINT OF CONNECTION SHALL BE DOWN STREAM OF EXISTING IRRIGATION CONNECTION. HYDROMETER SHALL BE 3" IN SIZE AND BE INSTALLED UPSTREAM OF FIRST RCV. VERIFY THE ACTUAL LOCATION IN THE FIELD PRIOR TO STARTING WORK. IF ANY OF THE POC INFORMATION SHOWN ON THESE DRAWING IS FOUND TO BE DIFFERENT THAN THE ACTUAL POC INFORMATION GATHERED IN THE FIELD, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT AND IRRIGATION CONSULTANT.

NOTE B:
ALL EXISTING CONTROLLERS SHALL BE REMOVED AND TURNED OVER TO THE OWNER'S AUTHORIZED REPRESENTATIVE. CONTRACTOR SHALL REMOVE THE TWO EXISTING CONTROLLERS WITHIN THE BUILDING AND REPLACE WITH ONE NEW CONTROLLER "A". CONTROLLER "A" SHALL BE A 48 STATION CONTROLLER INSTALLED IN STAINLESS STEEL WALL MOUNTED ENCLOSURE (SEE LEGEND FOR MODEL #). CONTRACTOR SHALL REMOVE THE EXISTING WALL MOUNTED CONTROLLER AND REPLACE WITH NEW CONTROLLER "B". CONTROLLER "B" SHALL BE A 24 STATION CONTROLLER INSTALLED IN STAINLESS STEEL WALL MOUNTED ENCLOSURE (SEE LEGEND FOR MODEL #). CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER INSTALLED WITHIN A STAINLESS STEEL PEDESTAL ENCLOSURE AND REPLACE WITH NEW CONTROLLER "C". NEW CONTROLLER "C" SHALL BE A 24 STATION CONTROLLER INSTALLED IN STAINLESS STEEL PEDESTAL ENCLOSURE (SEE LEGEND FOR MODEL #). FINAL LOCATION OF CONTROLLER AND ELECTRICAL POC SHALL BE CONFIRMED WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.



VICINITY MAP
SCALE: N.T.S.

sweeney + associates
IRRIGATION DESIGN AND CONSULTING
38730 Sky Canyon Drive, Suite C
Murrieta, Ca 92563
e: info@sweeneyassoc.com t: (951) 461-6830
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SHEET TITLE:
IRRIGATION PLAN

PROJECT/CLIENT:
McMASTER PARK
3624 ARTESIA BLVD.
TORRANCE, CA 90504

REVISIONS	
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APPROVED	CC
PLOT DATE	04-26-2013
JOB NO.	COT-002
DATE	04-26-2013
SCALE	SEE PLAN



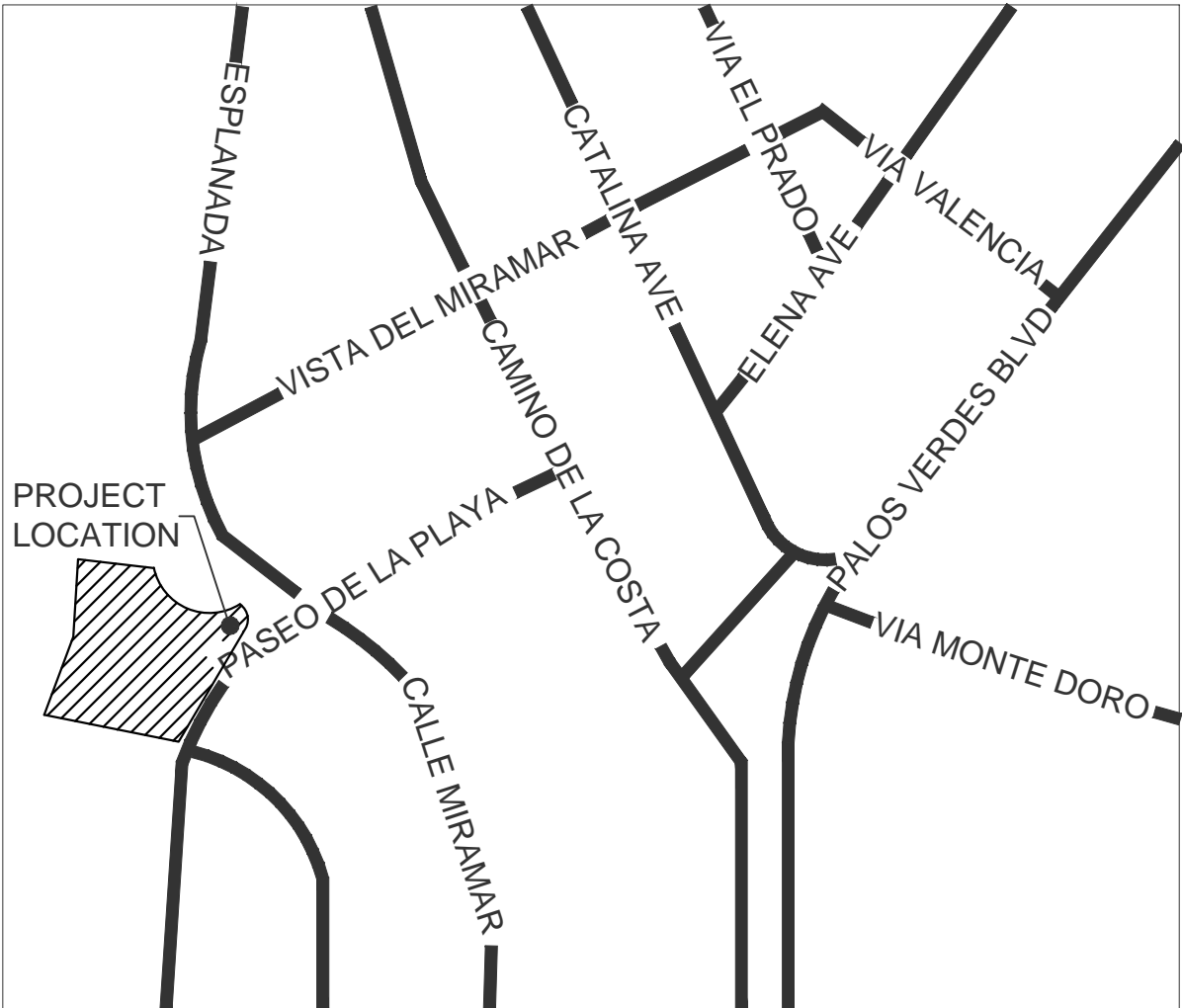
IRRIGATION PLAN
SCALE: 1/16" = 1'-0"
CONTRACTOR SHALL FIELD VERIFY ALL
MEASUREMENTS AND EXISTING
CONDITIONS PRIOR TO BIDDING

IRRIGATION NOTES

1. ALL LOCAL MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.
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VICINITY MAP
SCALE: N.T.S.

sweeney + associates
IRRIGATION DESIGN AND CONSULTING
38730 Sky Canyon Drive, Suite C
Murrieta, Ca 92563
e: info@sweeneyassoc.com t: (951) 461-6830
w: www.sweeneyassoc.com f: (951) 461-6830



IRRIGATION PLAN

SHEET TITLE:

PROJECT/CLIENT:
MIRAMAR PARK
City of Torrance
201 PASEO DE LA PLAYA
REDONDO BEACH, 90277

REVISIONS



DRAWN	SA
APPROVED	CC
PLOT DATE	04-26-2013
JOB NO.	COT-002
DATE	04-26-2013
SCALE	SEE PLAN



IRRIGATION PLAN

SCALE: 1/16" = 1'-0"

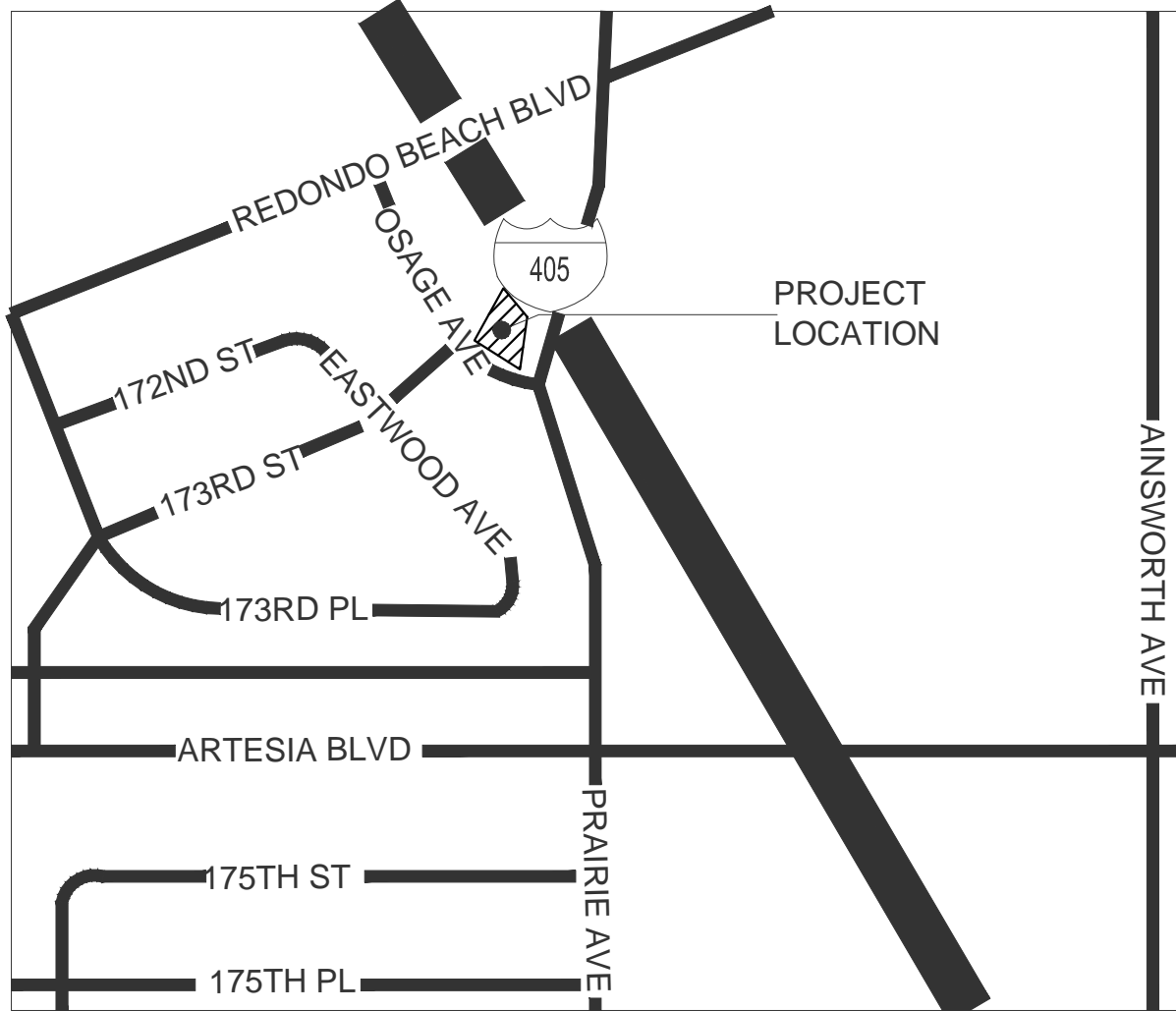
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SHEET TITLE:

IRRIGATION
PLAN

PROJECT/CLIENT:

OSAGE PARK
City of Torrance
17008 Osage Avenue
TORRANCE, CA 90504

REVISIONS



DRAWN	SA
APPROVED	CC
PLOT DATE	04-26-2013
JOB NO.	COT-002
DATE	04-26-2013
SCALE	SEE PLAN

IRRIGATION
PLAN



POINT OF CONNECTION;
REFER TO NOTE 'A' BELOW
CONNECT TO EXISTING MAINLINE
AT THIS APPROXIMATE LOCATION

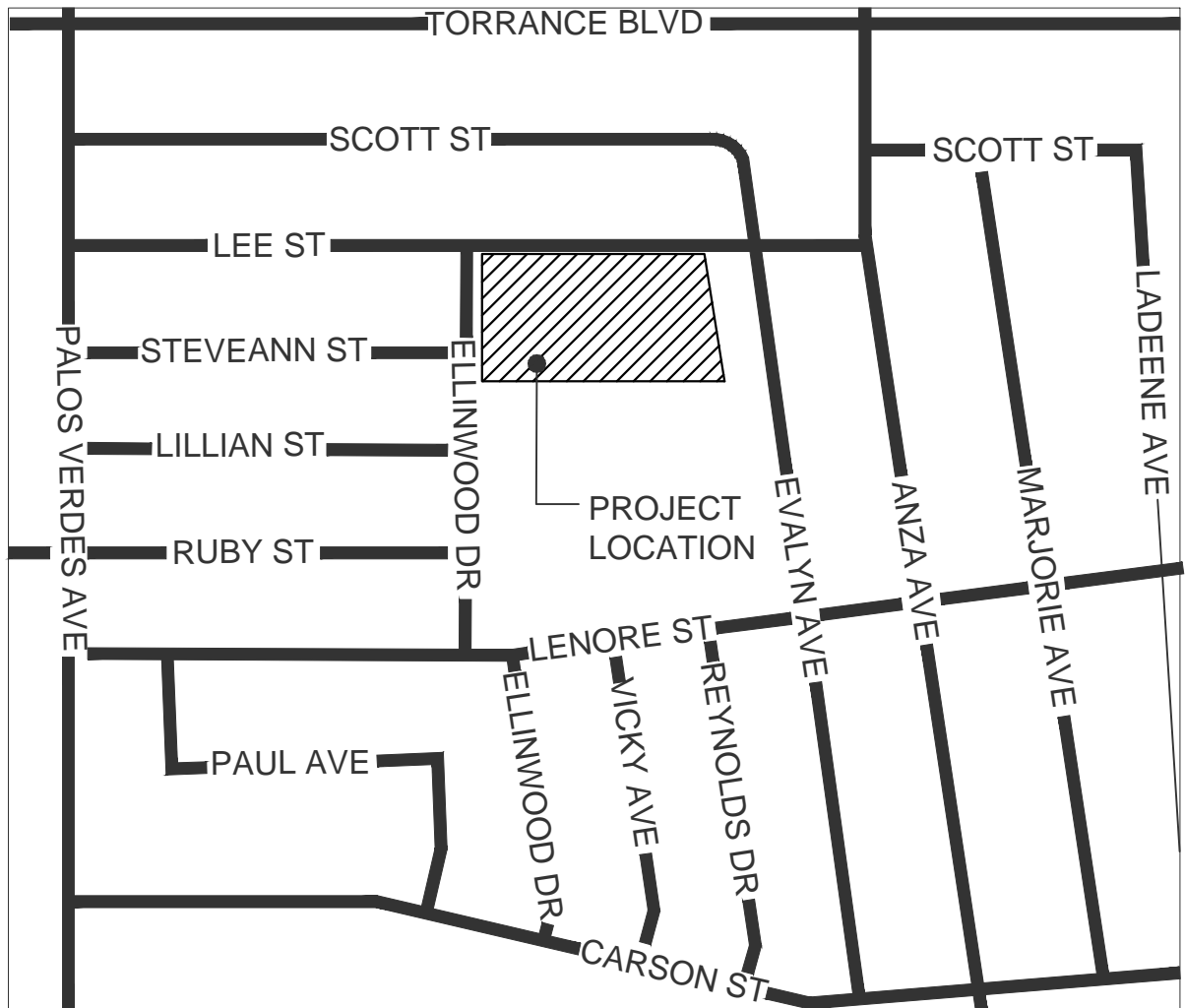
CONTROLLER LOCATION;
REFER TO NOTE 'B' BELOW LEFT

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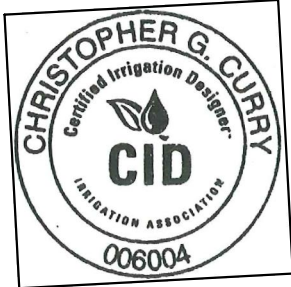


VICINITY MAP
SCALE: N.T.S.



IRRIGATION PLAN
SCALE: 3/32" = 1'-0"
CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS AND EXISTING CONDITIONS PRIOR TO BIDDING

sweeney + associates
IRRIGATION DESIGN AND CONSULTING
38730 Sky Canyon Drive, Suite C
Murrieta, Ca 92563
e: info@sweeneyassoc.com t: (951) 461-6830
w: www.sweeneyassoc.com f: (951) 461-6850



IRRIGATION PLAN

PROJECT/CLIENT:
PARADISE PARK
City of Torrance
5006 Lee Street
TORRANCE, CA 90503

REVISIONS



DRAWN	SHA
APPROVED	CC
PLOT DATE	04-26-2013
JOB NO.	COT-002
DATE	04-26-2013
SCALE	SEE PLAN

IRRIGATION PLAN

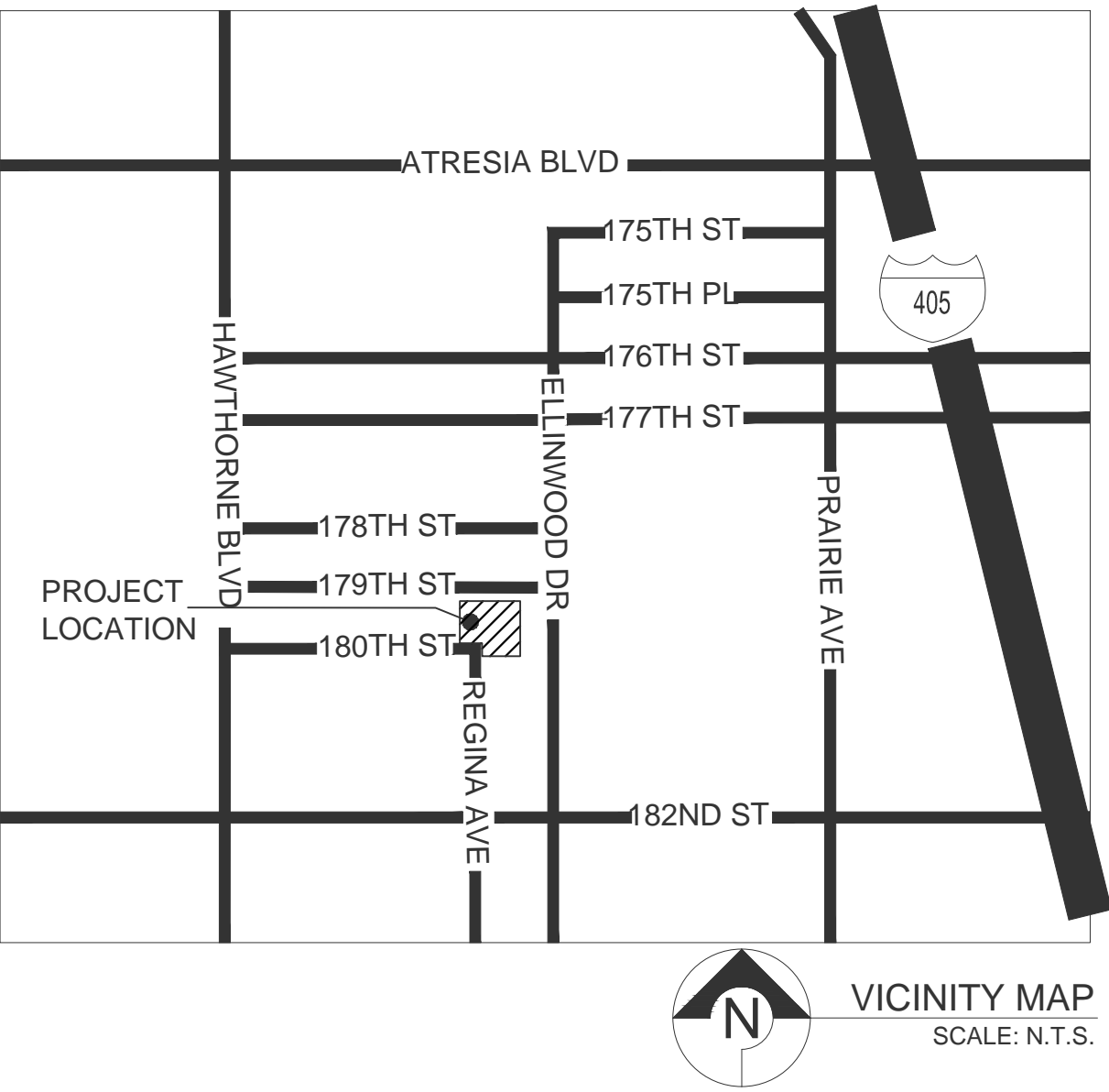



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 IRRIGATION PLAN

SCALE: 1/8" = 1'-0"

CONTRACTOR SHALL FIELD VERIFY ALL
MEASUREMENTS AND EXISTING
CONDITIONS PRIOR TO BIDDING

sweeney + associates
IRRIGATION DESIGN AND CONSULTING

38730 Sky Canyon Drive, Suite C
Murrieta, Ca 92563

e: info@sweeneyassoc.com; t: (951) 461-6830
w: www.sweeneyassoc.com; f: (951) 461-6850

POINT OF CONNECTION;
REFER TO NOTE 'A' AT RIGHT

CONNECT TO EXISTING MAINLINE
AT THIS APPROXIMATE LOCATION

CONTROLLER LOCATION;
REFER TO NOTE 'B' AT RIGHT



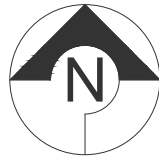
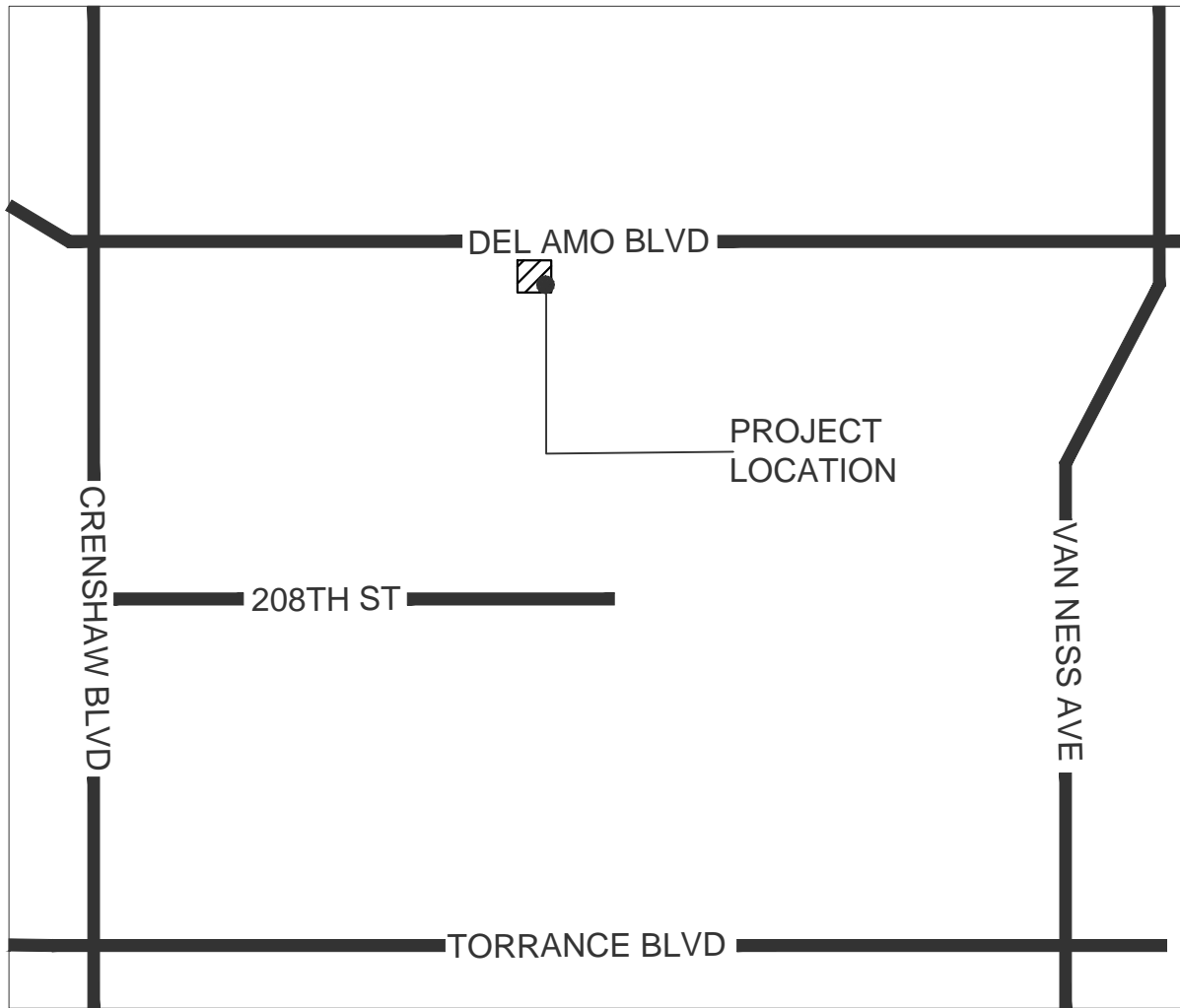
IRRIGATION PLAN
SCALE: 1/8" = 1'-0"
CONTRACTOR SHALL FIELD VERIFY ALL
MEASUREMENTS AND EXISTING
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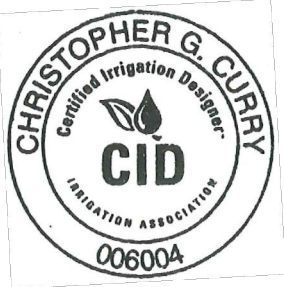
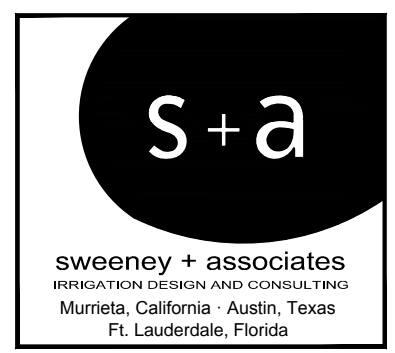
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VICINITY MAP
SCALE: N.T.S.

sweeney + associates
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Murrieta, Ca 92563
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SHEET TITLE:
**IRRIGATION
PLAN**

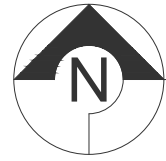
PROJECT/CLIENT:
PUEBLO PARK
City of Torrance
2310 Del Amo Blvd.
TORRANCE, CA

REVISIONS

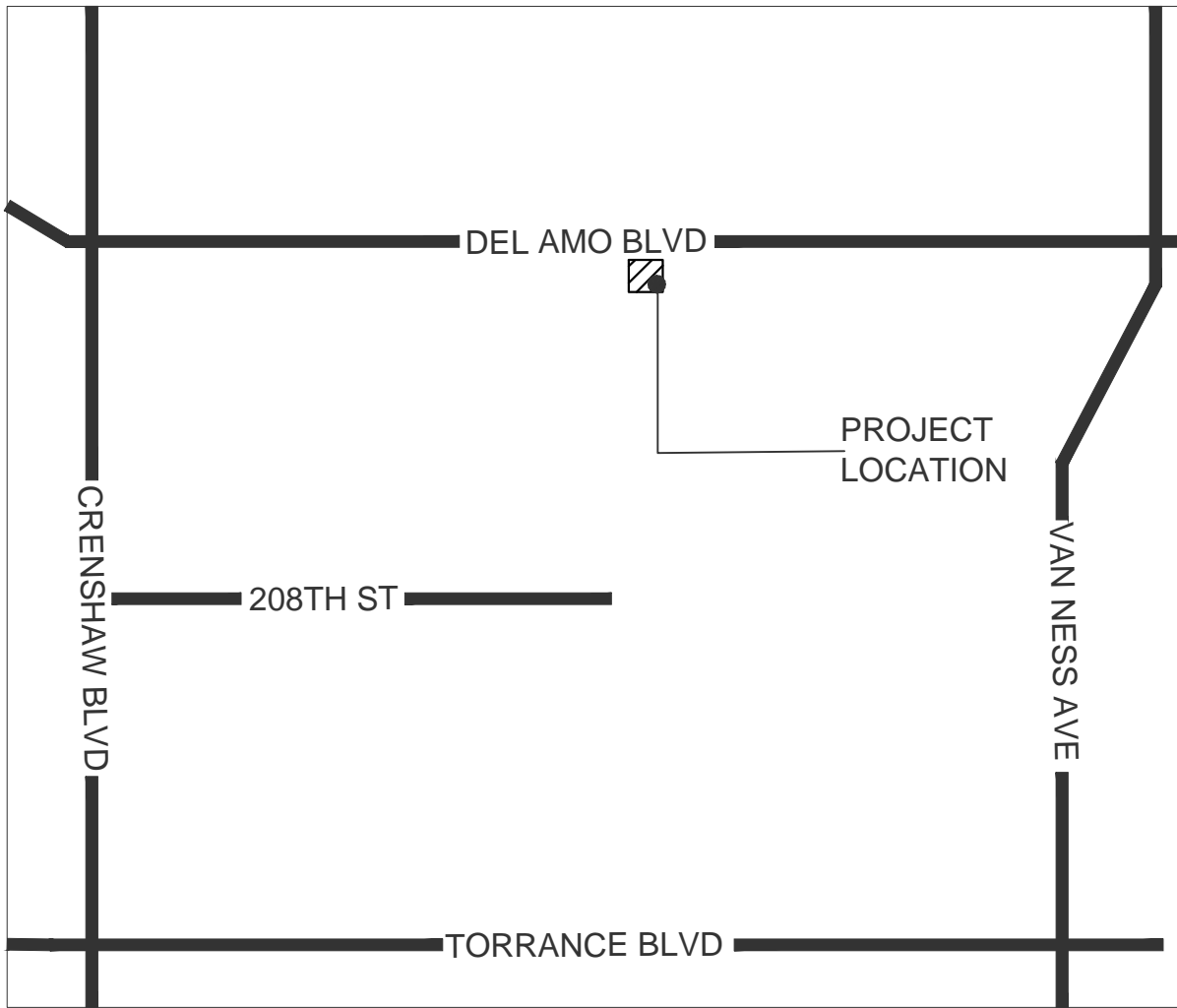
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**IRRIGATION
PLAN**

FILE NAME: \\00SERVER\DRAWINGS\CITY OF TORRANCE\PARK CONTROLLER RETRO AND AUDITS\PUEBLO PARK REC CENTER\30-PUEBLO PARK REC CENTER IRRIGATION PLAN.DWG



IRRIGATION PLAN
SCALE: 1/8" = 1'-0"
CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS AND EXISTING CONDITIONS PRIOR TO BIDDING



VICINITY MAP
SCALE: N.T.S.

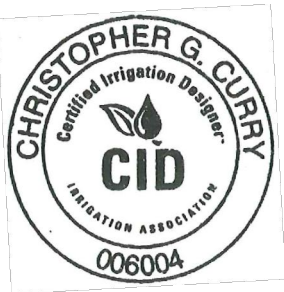
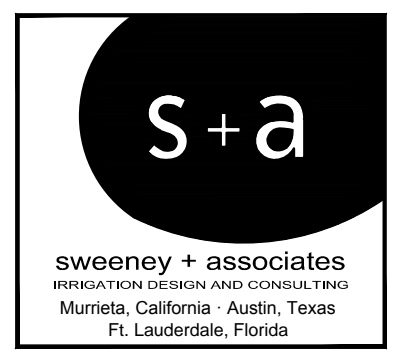
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sweeney + associates
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Murrieta, Ca 92563
e: info@sweeneyassoc.com t: (951) 461-6830
w: www.sweeneyassoc.com f: (951) 461-6850



SHEET TITLE:
IRRIGATION PLAN

PROJECT/CLIENT:
PUEBLO REC CENTER
City of Torrance
2252 Del Amo Boulevard
TORRANCE, CA 90501

REVISIONS

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IRRIGATION PLAN

FILE NAME: \\00SERVERDRAWINGS\CITY OF TORRANCE\PARK CONTROLLER RETRO AND AUDITS\RIVIERA PARK\31-RIVIERA PARK IRRIGATION PLAN.DWG

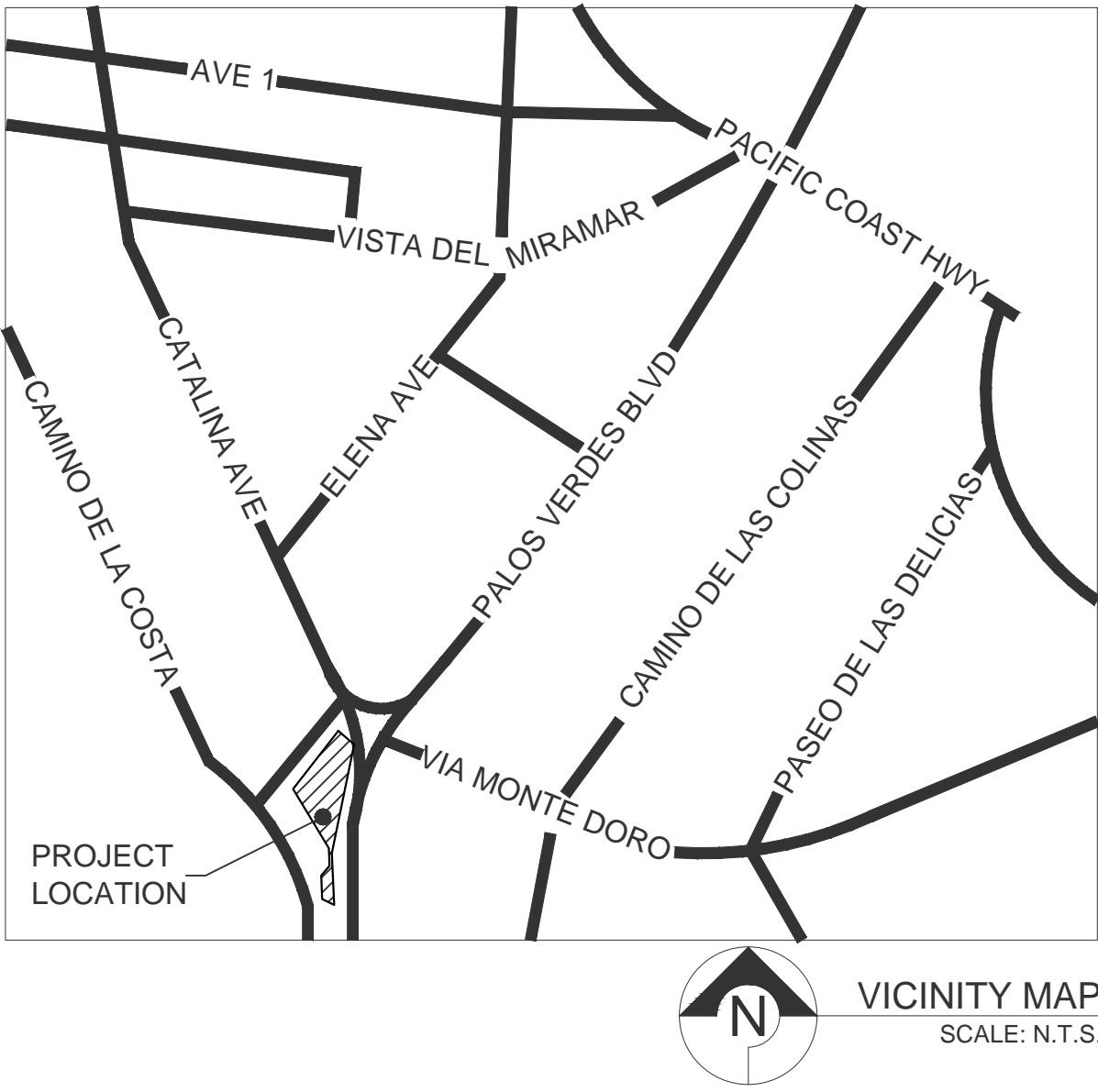


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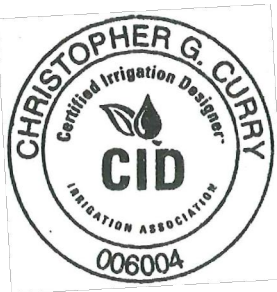
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IRRIGATION PLAN

SCALE: 3/32" = 1'-0"
CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS AND EXISTING CONDITIONS PRIOR TO BIDDING

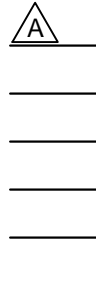
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IRRIGATION PLAN

PROJECT/CLIENT:
RIVIERA PARK
City of Torrance
3601 Lomita Blvd.
TORRANCE, CA 90277

REVISIONS



DRAWN	SHA
APPROVED	CC
PLOT DATE	04-26-2013
JOB NO.	COT-002
DATE	04-26-2013
SCALE	SEE PLAN

IRRIGATION PLAN



IRRIGATION PLAN
SCALE: 1/16" = 1'-0"
CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS AND EXISTING CONDITIONS PRIOR TO BIDDING

IRRIGATION NOTES

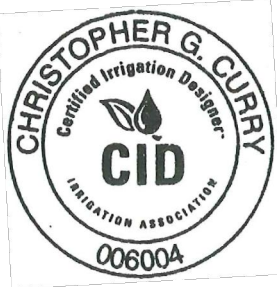
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NOTE B:
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IRRIGATION PLAN

SEASIDE HEROES PARK
City of Torrance
22851 Anza Avenue
TORRANCE, CA 90505

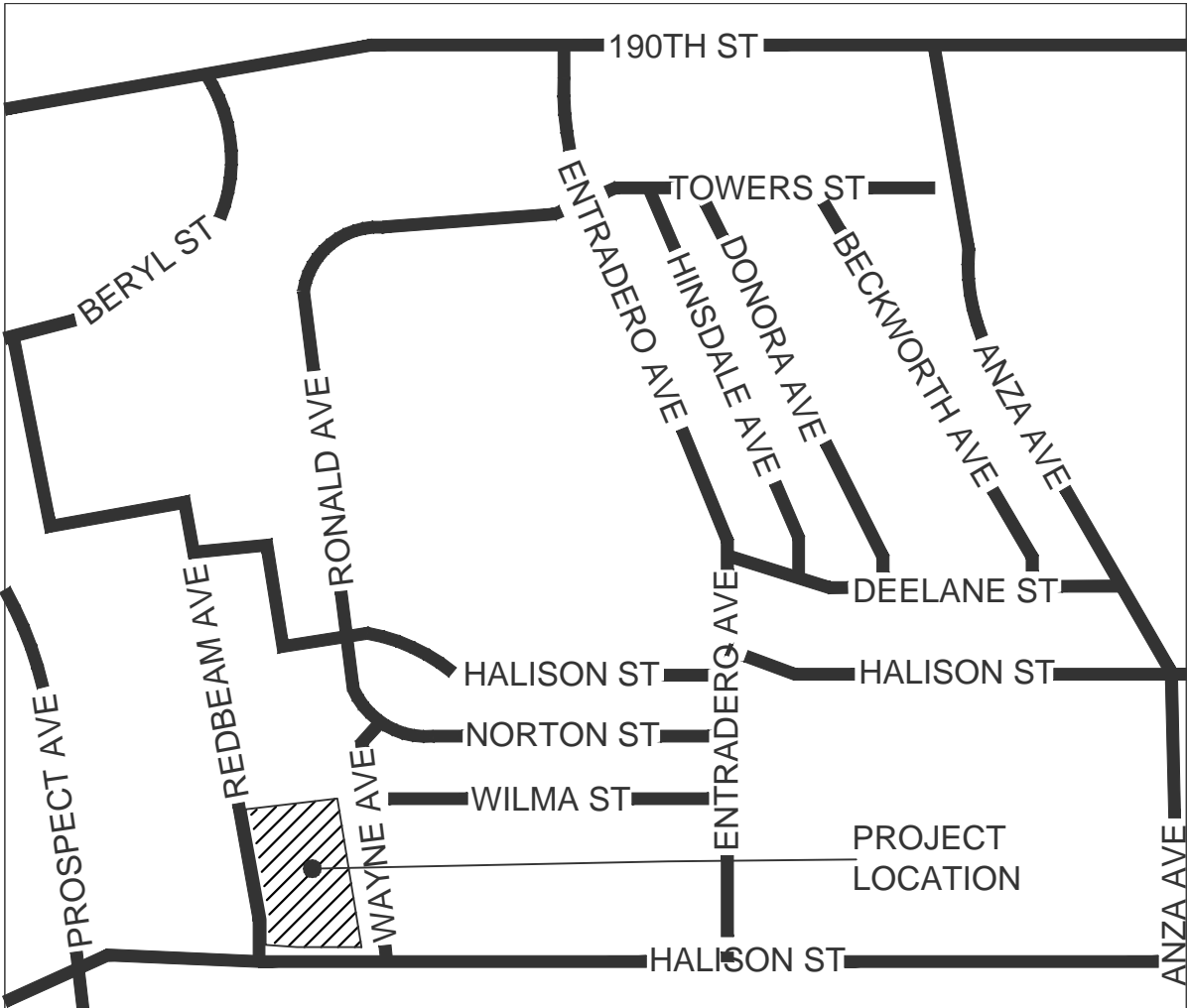
PROJECT/CLIENT:	
REVISIONS	
DRAWN	SA
APPROVED	CC
PLOT DATE	04-26-2013
JOB NO.	COT-002
DATE	04-26-2013
SCALE	SEE PLAN

IRRIGATION PLAN

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IRRIGATION DESIGN AND CONSULTING

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Murrieta, Ca 92563

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w: www.sweeneyassoc.com; f: (951) 461-6850



IRRIGATION PLAN
SCALE: 1/32" = 1'-0"
CONTRACTOR SHALL FIELD VERIFY ALL
MEASUREMENTS AND EXISTING
CONDITIONS PRIOR TO BIDDING



IRRIGATION PLAN
SCALE: 1/32" = 1'-0"
CONTRACTOR SHALL FIELD VERIFY ALL
MEASUREMENTS AND EXISTING
CONDITIONS PRIOR TO BIDDING



VICINITY MAP
SCALE: N.T.S.

IRRIGATION NOTES

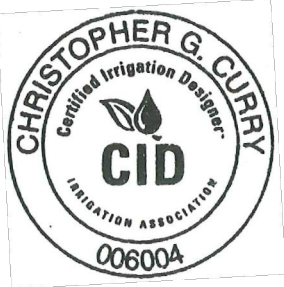
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sweeney + associates
irrigation design and consulting
Murrieta, California · Austin, Texas
Fort Lauderdale, Florida



PROJECT CLIENT:

IRRIGATION
PLAN

SHEET TITLE:

PROJECT CLIENT:
SUR LA BREA PARK
City of Torrance
23610 Cabrillo Avenue
TORRANCE, CA 90501

REVISIONS

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DRAWN	SA
APPROVED	CC
PLOT DATE	04-26-2013
JOB NO.	COT-002
DATE	04-26-2013
SCALE	SEE PLAN

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IRRIGATION
PLAN



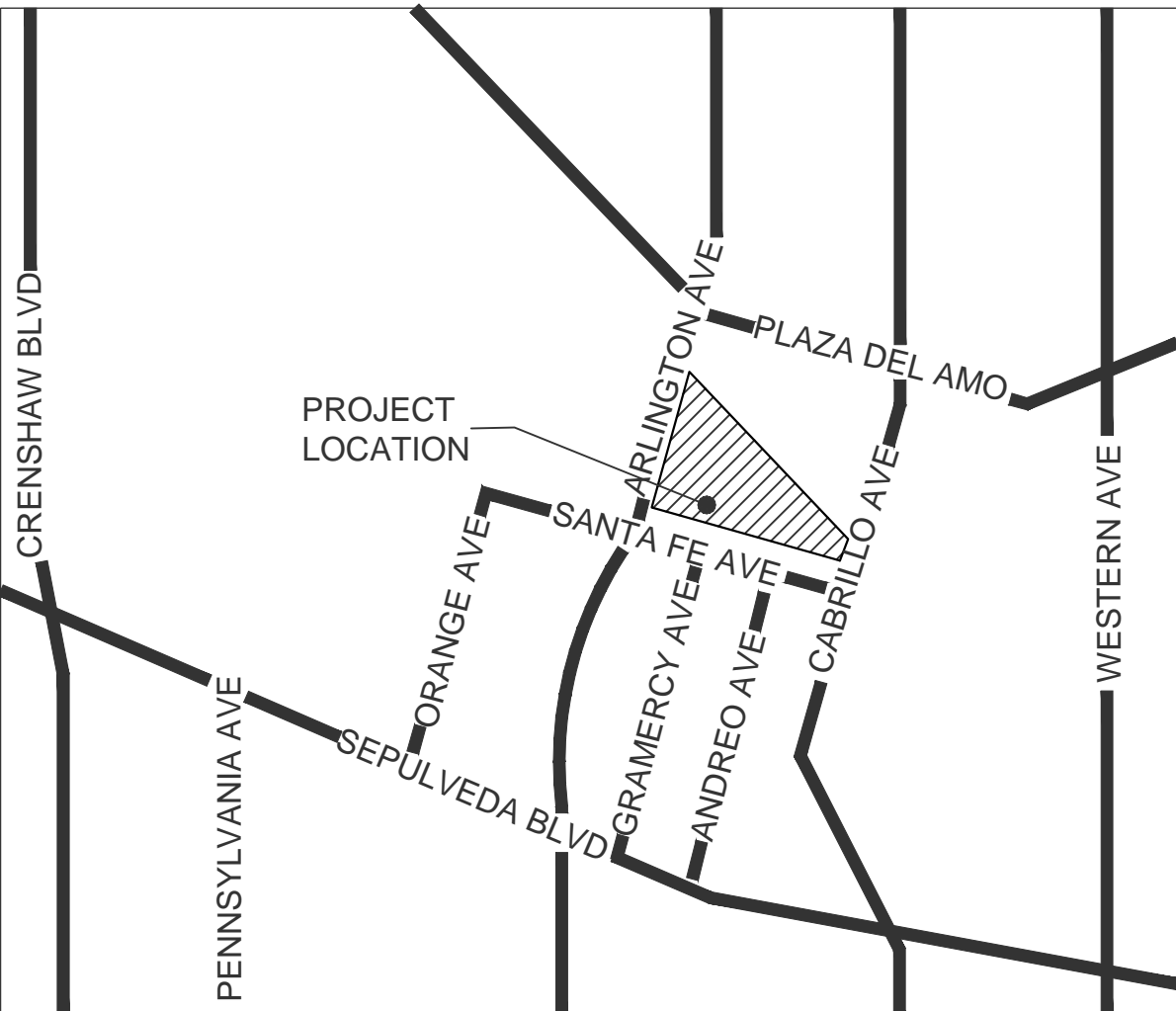
IRRIGATION PLAN

SCALE: 1/32" = 1'-0"
CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS AND EXISTING CONDITIONS PRIOR TO BIDDING

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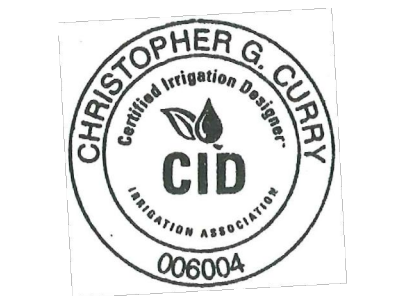
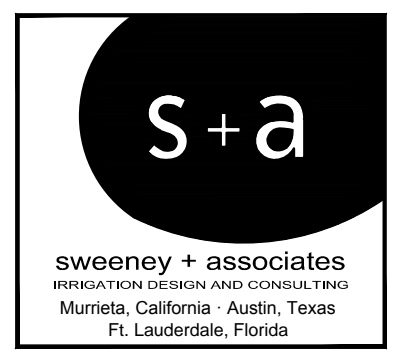
NOTE A:
POINT OF CONNECTION SHALL BE DOWN STREAM OF EXISTING IRRIGATION CONNECTION. HYDROMETER SHALL BE 3" IN SIZE AND BE INSTALLED UPSTREAM OF FIRST RCV. VERIFY THE ACTUAL LOCATION IN THE FIELD PRIOR TO STARTING WORK. IF ANY OF THE POC INFORMATION SHOWN ON THESE DRAWING IS FOUND TO BE DIFFERENT THAN THE ACTUAL POC INFORMATION GATHERED IN THE FIELD, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT AND IRRIGATION CONSULTANT.

NOTE B:
ALL EXISTING CONTROLLERS SHALL BE REMOVED AND TURNED OVER TO THE OWNER'S AUTHORIZED REPRESENTATIVE. EXISTING CONTROLLER 'A' SHALL BE REPLACED WITH A NEW 48 STATION CONTROLLER INSTALLED IN A STAINLESS STEEL WALL MOUNTED ENCLOSURE WITHIN BUILDING (SEE LEGEND FOR MODEL #). EXISTING CONTROLLER 'B' SHALL BE REPLACED WITH A NEW 24 STATION CONTROLLER INSTALLED IN A STAINLESS STEEL PEDESTAL ENCLOSURE (SEE LEGEND FOR MODEL #). FINAL LOCATION OF CONTROLLER AND ELECTRICAL POC SHALL BE CONFIRMED WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.



VICINITY MAP
SCALE: N.T.S.

sweeney + associates
IRRIGATION DESIGN AND CONSULTING
38730 Sky Canyon Drive, Suite C
Murrieta, Ca 92563
e: info@sweeneyassoc.com t: (951) 461-6830
w: www.sweeneyassoc.com f: (951) 461-6830



SHEET TITLE:
IRRIGATION
PLAN

PROJECT/CLIENT:
TORRANCE PARK
City of Torrance
2001 SANTA FE AVENUE
TORRANCE, CA 90501

REVISIONS



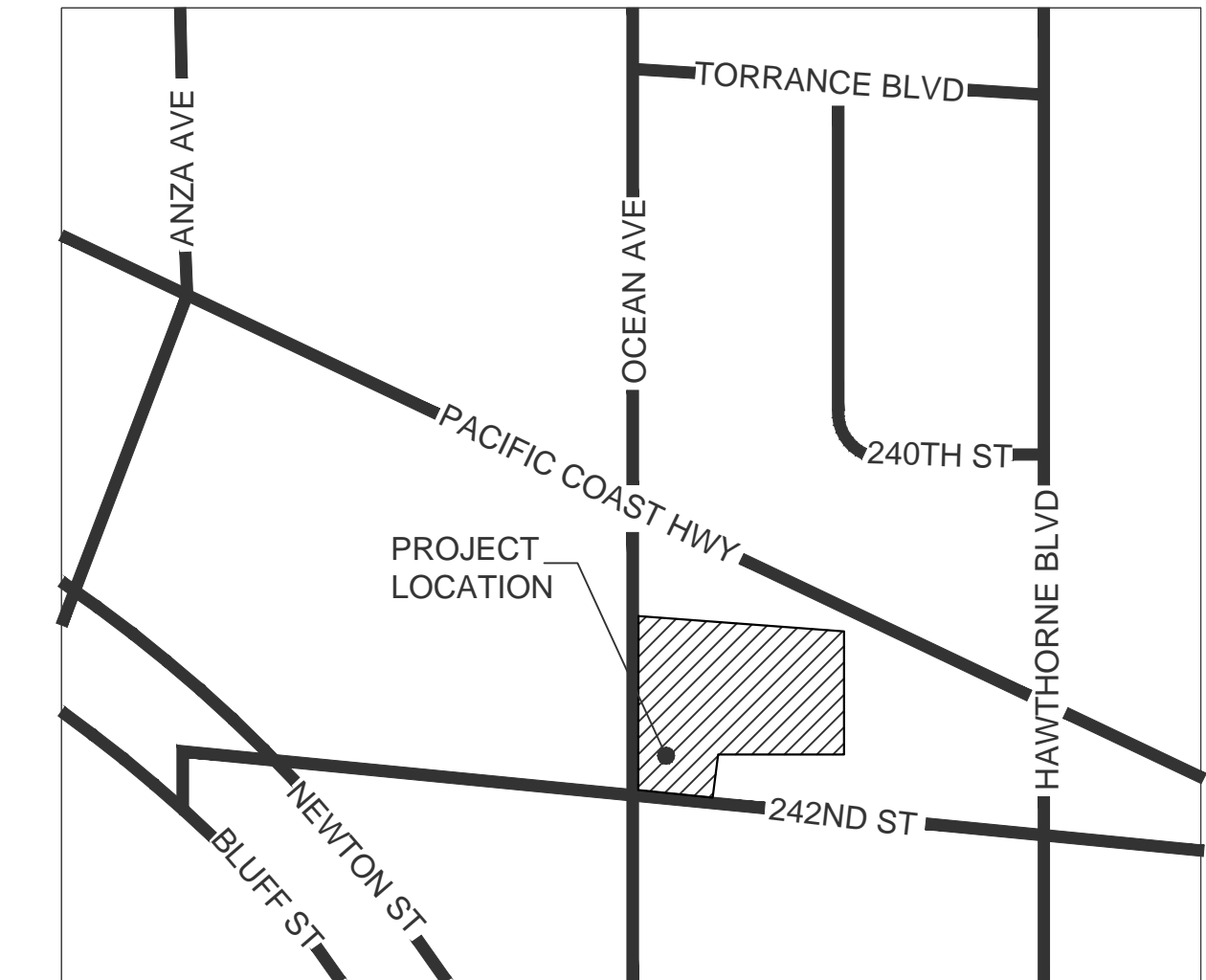
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JOB NO.	COT-002
DATE	04-26-2013
SCALE	SEE PLAN

IRRIGATION
PLAN

FILE NAME: \\00SERVER\DRAWINGS\CITY OF TORRANCE\WALTERIA PARK\WALTERIA PARK\WALTERIA PARK IRRIGATION PLAN.DWG



IRRIGATION PLAN
SCALE: 1/32" = 1'-0"
CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS AND EXISTING CONDITIONS PRIOR TO BIDDING



VICINITY MAP
SCALE: N.T.S.

IRRIGATION NOTES

1. ALL LOCAL MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE.
3. THE CONTRACTOR SHALL OBTAIN THE PERTINENT ENGINEERING OR ARCHITECTURAL PLANS BEFORE BEGINNING WORK.
4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK.
5. THIS DESIGN IS DIAGRAMMATIC. ALL EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN PLANTING AREAS.
6. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK OR THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED NECESSARY BY THE OWNER.
7. INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH LOCAL CITY, COUNTY AND STATE REQUIREMENTS FOR BOTH EQUIPMENT AND INSTALLATION.
8. ALL PIPE UNDER PAVED AREAS TO BE INSTALLED IN SLEEVING TWICE THE DIAMETER OF THE PIPE CARRIED. SEE LEGEND FOR TYPE. ALL WIRE UNDER PAVED AREAS TO BE INSTALLED IN A SCH. 40 SLEEVE THE SIZE REQUIRED TO EASILY PULL WIRE THROUGH. ALL SLEEVES TO BE INSTALLED WITH A MINIMUM DEPTH AS SHOWN ON THE SLEEVING DETAILS. SLEEVES TO EXTEND AT LEAST 12" PAST THE EDGE OF THE PAVING.
9. THE CONTRACTOR SHALL USE PROPER GROUNDING TECHNIQUES FOR GROUNDING THE CONTROLLER AND RELATED EQUIPMENT PER MANUFACTURERS SPECIFICATIONS. SWEENEY AND ASSOCIATES RECOMMENDS MEASURING FOR PROPER GROUND AT LEAST ONCE ANNUALLY, AND NECESSARY ADJUSTMENTS MADE TO COMPLY WITH MANUFACTURER SPECIFICATIONS.

NOTE A:
POINT OF CONNECTION SHALL BE DOWN STREAM OF EXISTING IRRIGATION CONNECTION. HYDROMETERS SHALL BE 2" IN SIZE AND BE INSTALLED UPSTREAM OF FIRST RCV. VERIFY THE ACTUAL LOCATION IN THE FIELD PRIOR TO STARTING WORK. IF ANY OF THE POC INFORMATION SHOWN ON THESE DRAWING IS FOUND TO BE DIFFERENT THAN THE ACTUAL POC INFORMATION GATHERED IN THE FIELD, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT AND IRRIGATION CONSULTANT.

NOTE B:
ALL EXISTING CONTROLLERS SHALL BE REMOVED AND TURNED OVER TO THE OWNER'S AUTHORIZED REPRESENTATIVE. EXISTING CONTROLLERS "A" & "B" SHALL BE REPLACED WITH NEW 24 STATION CONTROLLERS INSTALLED IN STAINLESS STEEL WALL MOUNTED ENCLOSURES WITHIN BUILDINGS (SEE LEGEND FOR MODEL #). FINAL LOCATION OF CONTROLLER AND ELECTRICAL POC SHALL BE CONFIRMED WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.



SHEET TITLE:
IRRIGATION PLAN

PROJECT/CLIENT:
WALTERIA PARK
City of Torrance
26126 DELOS DRIVE
TORRANCE, CA 90505

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sweeney + associates
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Murrieta, Ca 92563
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w: www.sweeneyassoc.com f: (951) 461-6830

IRRIGATION PLAN

CRENSHAW BLVD.



IRRIGATION NOTES

1. ALL LOCAL MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE.
3. THE CONTRACTOR SHALL OBTAIN THE PERTINENT ENGINEERING OR ARCHITECTURAL PLANS BEFORE BEGINNING WORK.
4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK.
5. THIS DESIGN IS DIAGRAMMATIC. ALL EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN PLANTING AREAS.
6. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK OR THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED NECESSARY BY THE OWNER.
7. INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH LOCAL CITY, COUNTY AND STATE REQUIREMENTS FOR BOTH EQUIPMENT AND INSTALLATION.
8. ALL PIPE UNDER PAVED AREAS TO BE INSTALLED IN SLEEVING TWICE THE DIAMETER OF THE PIPE CARRIED. SEE LEGEND FOR TYPE. ALL WIRE UNDER PAVED AREAS TO BE INSTALLED IN A SCH. 40 SLEEVE THE SIZE REQUIRED TO EASILY PULL WIRE THROUGH. ALL SLEEVES TO BE INSTALLED WITH A MINIMUM DEPTH AS SHOWN ON THE SLEEVING DETAILS. SLEEVES TO EXTEND AT LEAST 12" PAST THE EDGE OF THE PAVING.
9. THE CONTRACTOR SHALL USE PROPER GROUNDING TECHNIQUES FOR GROUNDING THE CONTROLLER AND RELATED EQUIPMENT PER MANUFACTURERS SPECIFICATIONS. SWEENEY AND ASSOCIATES RECOMMENDS MEASURING FOR PROPER GROUND AT LEAST ONCE ANNUALLY, AND NECESSARY ADJUSTMENTS MADE TO COMPLY WITH MANUFACTURER SPECIFICATIONS.

NOTE A:
POINT OF CONNECTION SHALL BE DOWN STREAM OF EXISTING IRRIGATION CONNECTION. MASTER VALVE SHALL BE INSTALLED UPSTREAM OF FIRST RCV. VERIFY THE ACTUAL LOCATION IN THE FIELD PRIOR TO STARTING WORK. IF ANY OF THE POC INFORMATION SHOWN ON THESE DRAWING IS FOUND TO BE DIFFERENT THAN THE ACTUAL POC INFORMATION GATHERED IN THE FIELD, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT AND IRRIGATION CONSULTANT.

NOTE B:
ALL EXISTING CONTROLLERS SHALL BE REMOVED AND TURNED OVER TO THE OWNER'S AUTHORIZED REPRESENTATIVE.

CONTROLLER "A":
-CONTRACTOR SHALL REMOVE THE TWO (2) EXISTING CONTROLLERS WITHIN THE BUILDING AND REPLACE WITH A SINGLE NEW CONTROLLER "A". CONTROLLER "A" SHALL BE 48 STATION CONTROLLER INSTALLED IN STAINLESS STEEL WALL MOUNTED ENCLOSURE WITHIN BUILDING (SEE LEGEND FOR MODEL #).

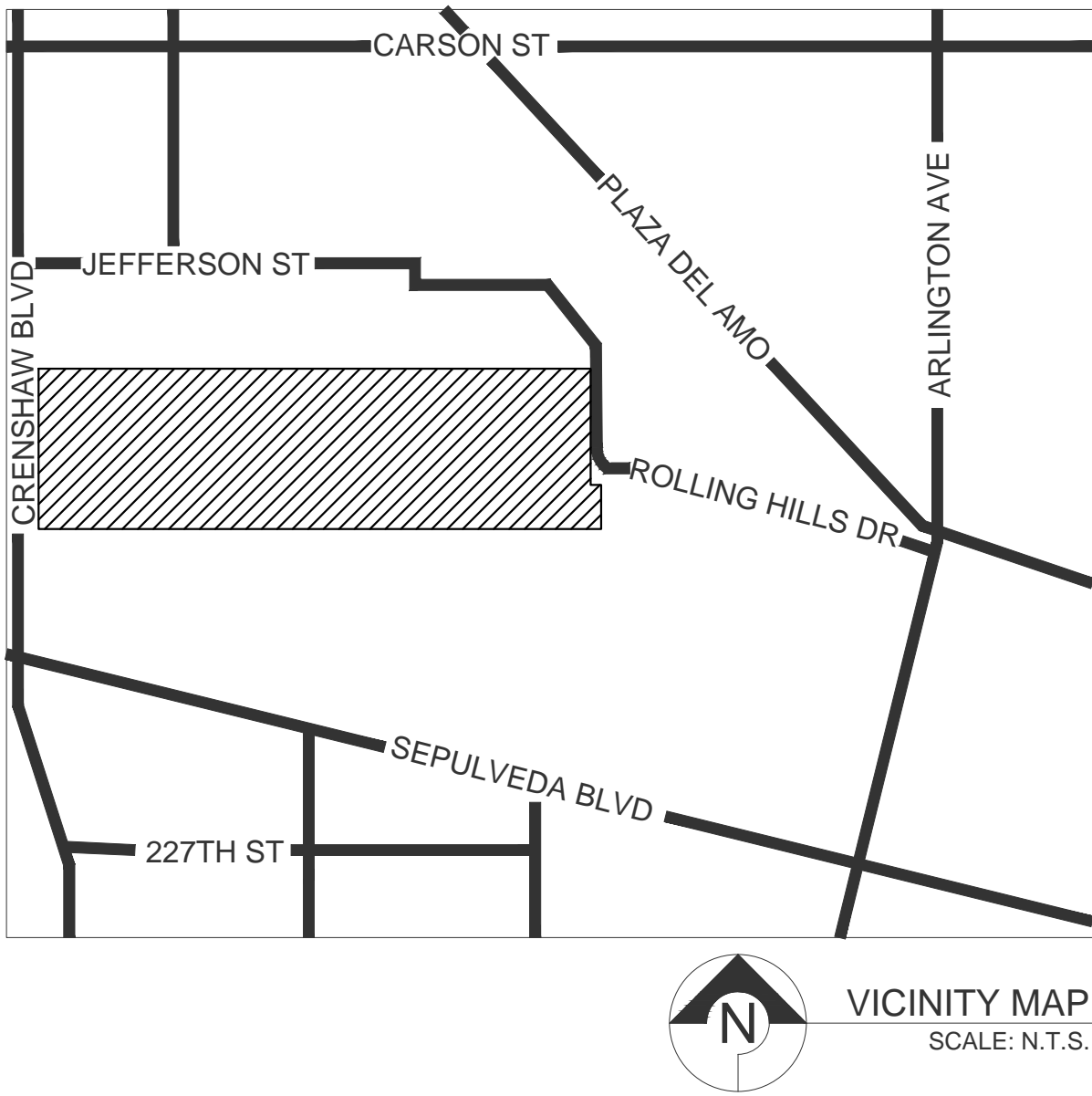
CONTROLLER "B":
-REMOVE THE ONE (1) EXISTING CONTROLLER WITHIN THE BUILDING AND REPLACE WITH CONTROLLER "B". CONTROLLER "B" SHALL BE A NEW 24 STATION CONTROLLER INSTALLED IN A STAINLESS STEEL WALL MOUNTED ENCLOSURE WITHIN BUILDING (SEE LEGEND FOR MODEL #).

CONTROLLER "C":
-REMOVE THE ONE (1) EXISTING CONTROLLER INSTALLED WITHIN A STAINLESS STEEL PEDESTAL ENCLOSURE AND REPLACE WITH CONTROLLER "C". CONTROLLER "C" SHALL BE A 24 STATION CONTROLLER INSTALLED WITHIN A STAINLESS STEEL PEDESTAL ENCLOSURE (SEE LEGEND FOR MODEL #).

CONTROLLER "D":
-REMOVE THE ONE (1) EXISTING CONTROLLER WITHIN THE BUILDING AND REPLACE WITH CONTROLLER "D". CONTROLLER "D" SHALL BE A NEW 24 STATION CONTROLLER INSTALLED IN A STAINLESS STEEL WALL MOUNTED ENCLOSURE WITHIN BUILDING (SEE LEGEND FOR MODEL #).

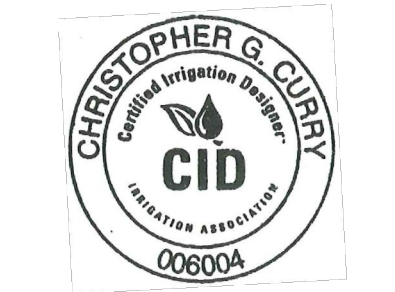
CONTROLLER "E":
-REMOVE THE ONE (1) EXISTING WALL MOUNTED CONTROLLER AND REPLACE WITH CONTROLLER "E". CONTROLLER "E" SHALL BE A NEW 24 STATION CONTROLLER INSTALLED IN A STAINLESS STEEL WALL MOUNTED ENCLOSURE WITHIN BUILDING (SEE LEGEND FOR MODEL #).

FINAL LOCATION OF CONTROLLER(S) AND ELECTRICAL POC(S) SHALL BE CONFIRMED WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.



IRRIGATION PLAN
SCALE: 1/64" = 1'-0"
CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS AND EXISTING CONDITIONS PRIOR TO BIDDING

sweeney + associates
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Murrieta, Ca 92563
e: info@sweeneyassoc.com t: (951) 461-6830
w: www.sweeneyassoc.com f: (951) 461-6830



IRRIGATION
PLAN

PROJECT/CLIENT:
Charles H. Wilson Park
City of Torrance
2200 Crenshaw Boulevard
TORRANCE, CA 90503

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IRRIGATION
PLAN